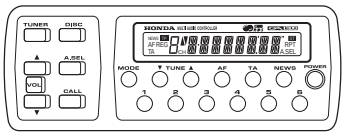
Service Manual

Pioneer

HONDA

CD-R1546ZH/EW



ORDER NO.
CRT2366

MULTI-CD CONTROL RDS TUNER AMPLIFIER

SCU-M2096ZH X1B/EW
CD-R1546ZH EW

VEHICLE	DESTINATION	PRODUCED AFTER	HONDA PART No.	ID No.	PIONEER MODEL No.
Motorcycles (Dealer option)	EUROPE	March 1999	08A01-MBL-800-01	——	SCU-M2096ZH/X1B/EW
			08A01-MBL-800-03	——	CD-R1546ZH/EW

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PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

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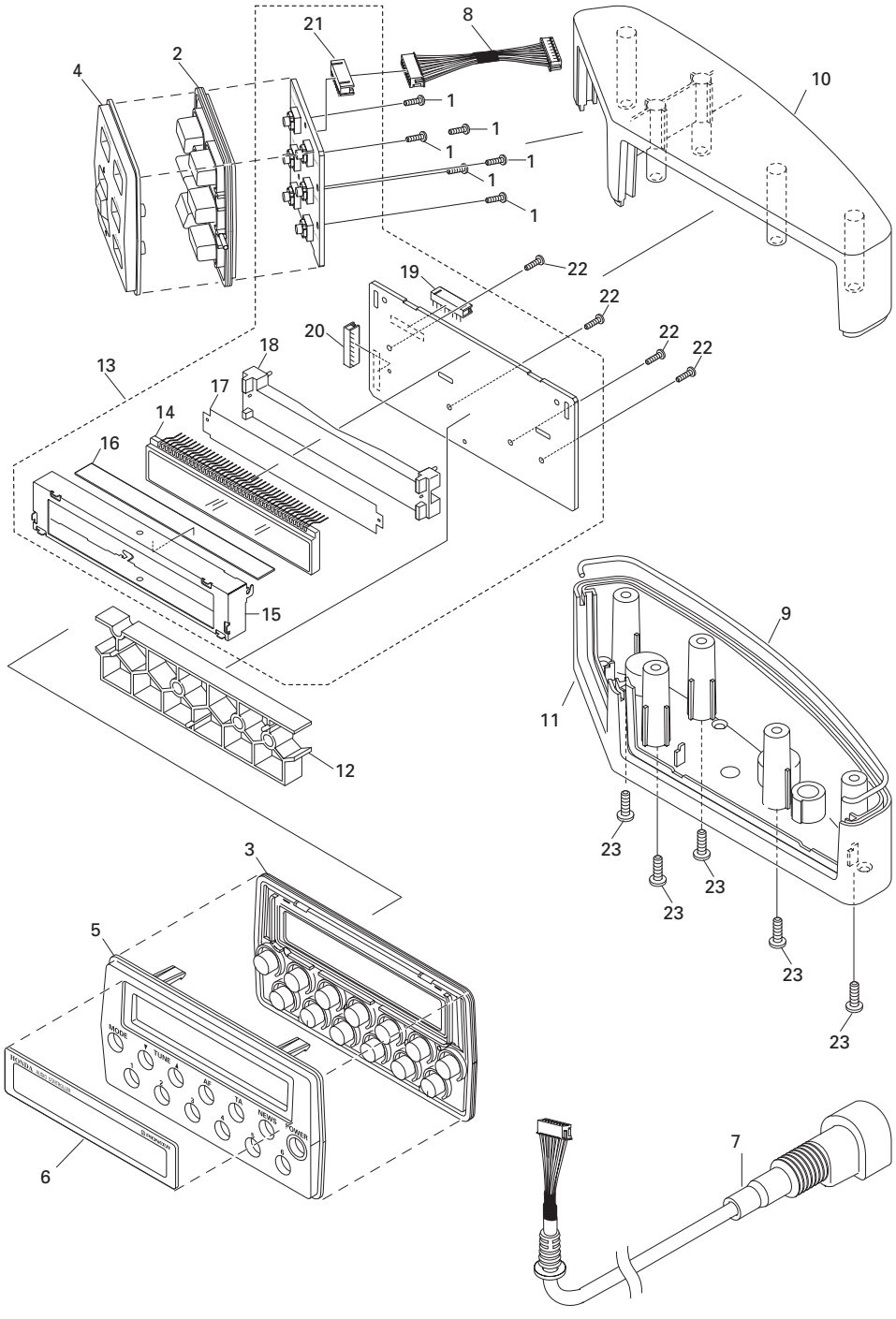
K-ZZS. FEB. 1999 Printed in Japan

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty.
If you are not qualified to perform the repair of this product properly and safely; you should not risk trying to do so and refer the repair to a qualified service technician.

2. EXPLODED VIEWS AND PARTS LIST

2.1 EXTERIOR(CD-R1546ZH)



NOTE:

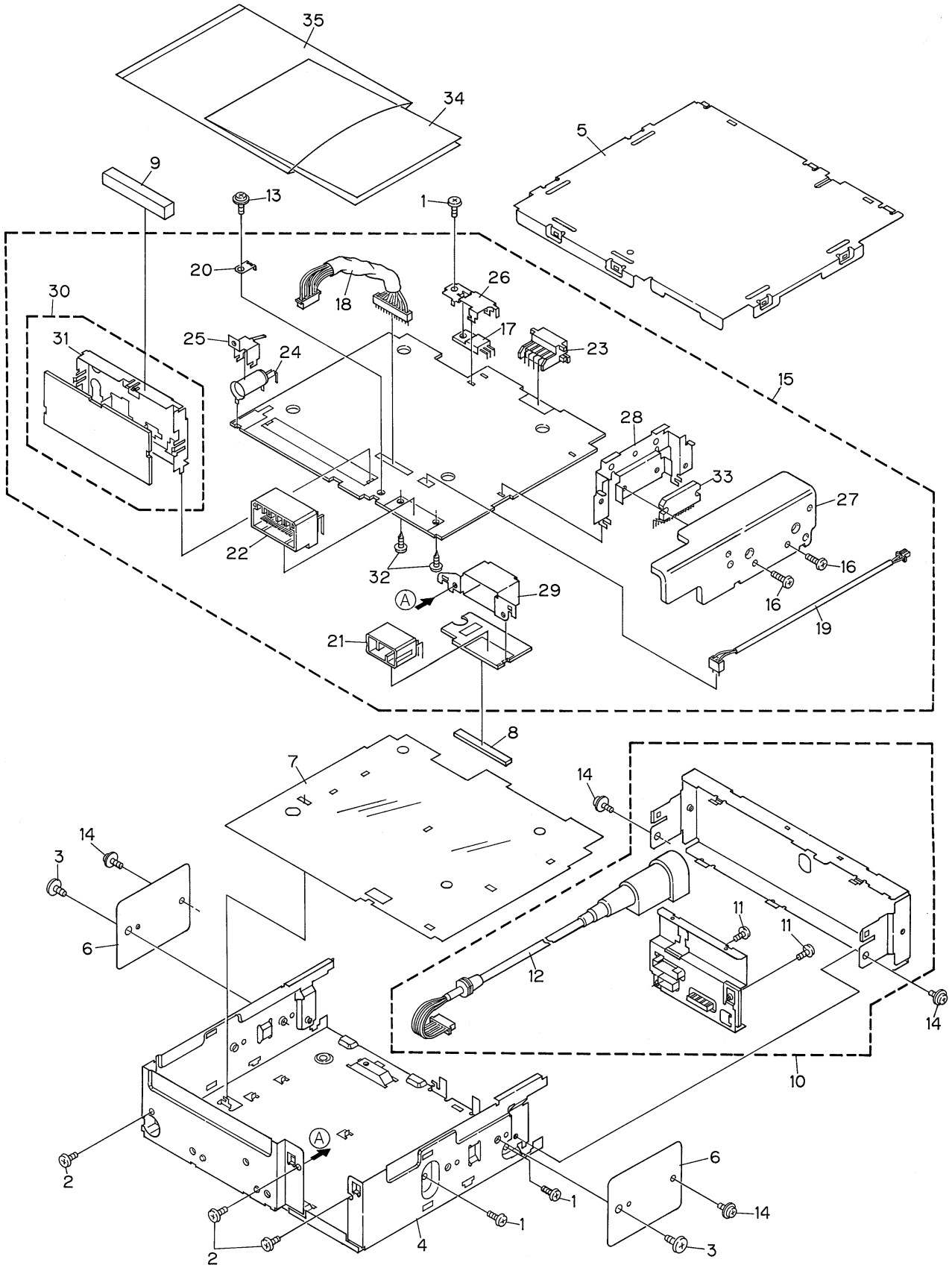
● Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

● Screws adjacent to ∇ mark on the product are used for disassembly.

● EXTERIOR SECTION PARTS LIST(CD-R1546ZH)

Mark No.	Description	Part No.
1	Screw	BPZ20P060FMC
2	Button	CZA6071
3	Button	CZA6072
4	Panel	CZA6073
5	Panel	CZA6074
6	Panel	CZA6075
7	Cord Assy	CZD3300
8	Connector Assy	CZD6001
9	O Ring	CZE3241
10	Case	CZN7580
11	Case	CZN7581
12	Frame	CZN7582
13	Control Unit	CZW6018
14	LCD	CAW1358
15	Holder	CNC7667
16	Insulator	CNM4735
17	Plate	CNM5712
18	Lighting Conductor	CNV5318
19	Connector(CN951)	CZK2075
20	Connector(CN952)	CZK2075
21	Connector(CN991)	CZK2075
22	Screw	PPZ20P080FMC
23	Screw	PPZ30P140FZK

2.2 EXTERIOR(SCU-M2096ZH)



● EXTERIOR SECTION PARTS LIST(SCU-M2096ZH)

Mark No.	Description	Part No.
1	Screw	BMZ26P080FMC
2	Screw	BMZ30P050FMC
3	Screw	BMZ50P060FMC
4	Chassis	CNA2180
5	Case	CNB2058
6	Holder	CNC8448
7	Insulator	CNM5713
8	Spacer	CNM5874
9	Spacer	CNM6371
10	Panel Unit	CXB3999
11	Screw	BMZ26P060FMC
12	Cord Assy	CZD3298
13	Screw	IMS26P050FMC
14	Screw	IMS30P050FMC
15	Tuner Amp Unit	UWM6489
16	Screw	BMZ26P140FMC
17	Transistor(Q917)	2SB942A
18	Cord Assy(CN601)	CDE5607
19	Cord	CDE5982
20	Terminal(CN552)	CKF1059
21	Connector(CN603)	CKM1208
22	Plug(CN551)	CKM1283
23	Connector(CN651)	CKS3581
24	Antenna Jack(ANT501)	CKX1006
25	Holder	CNC4569

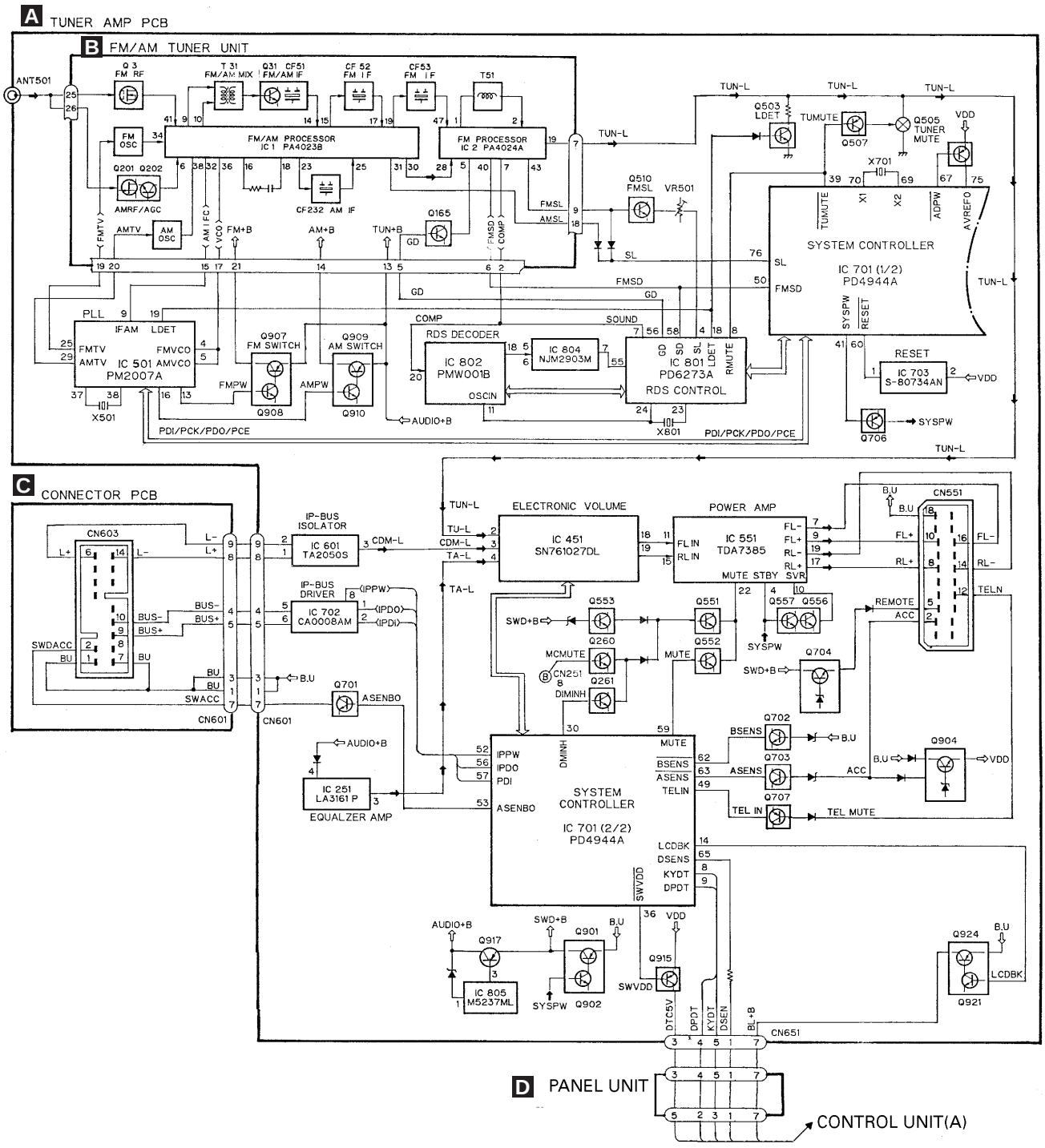
Mark No.	Description	Part No.
26	Holder	CNC5013
27	Heat Sink	CNC6453
28	Holder	CNC6454
29	Holder	CNC7668
30	FM/AM Tuner Unit	CWE1416
31	Holder	CNC6555
32	Screw	PRZ30P060FSN
33	IC(IC551)	TDA7385
34	Owner's Manual	URD2925
35	Polyethylene Bag	UEG1116

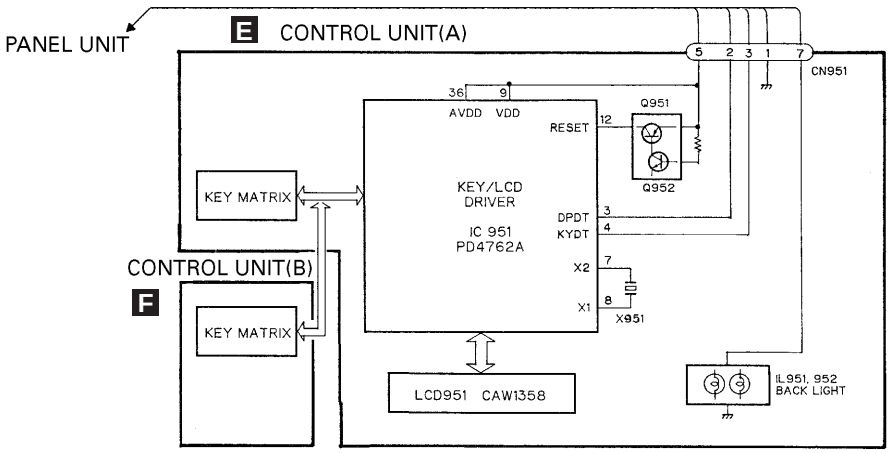
● Owner's Manual

Model	Part No.	Language
SCU-M2096ZH/X1B/EW	URD2925	English,French, German,Dutch, Spanish,Portuguese, Italian,Swedish

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

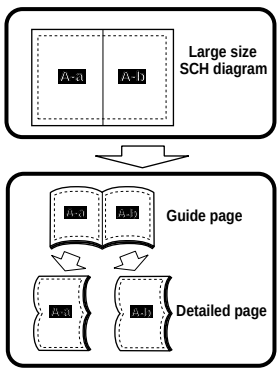
3.1 BLOCK DIAGRAM



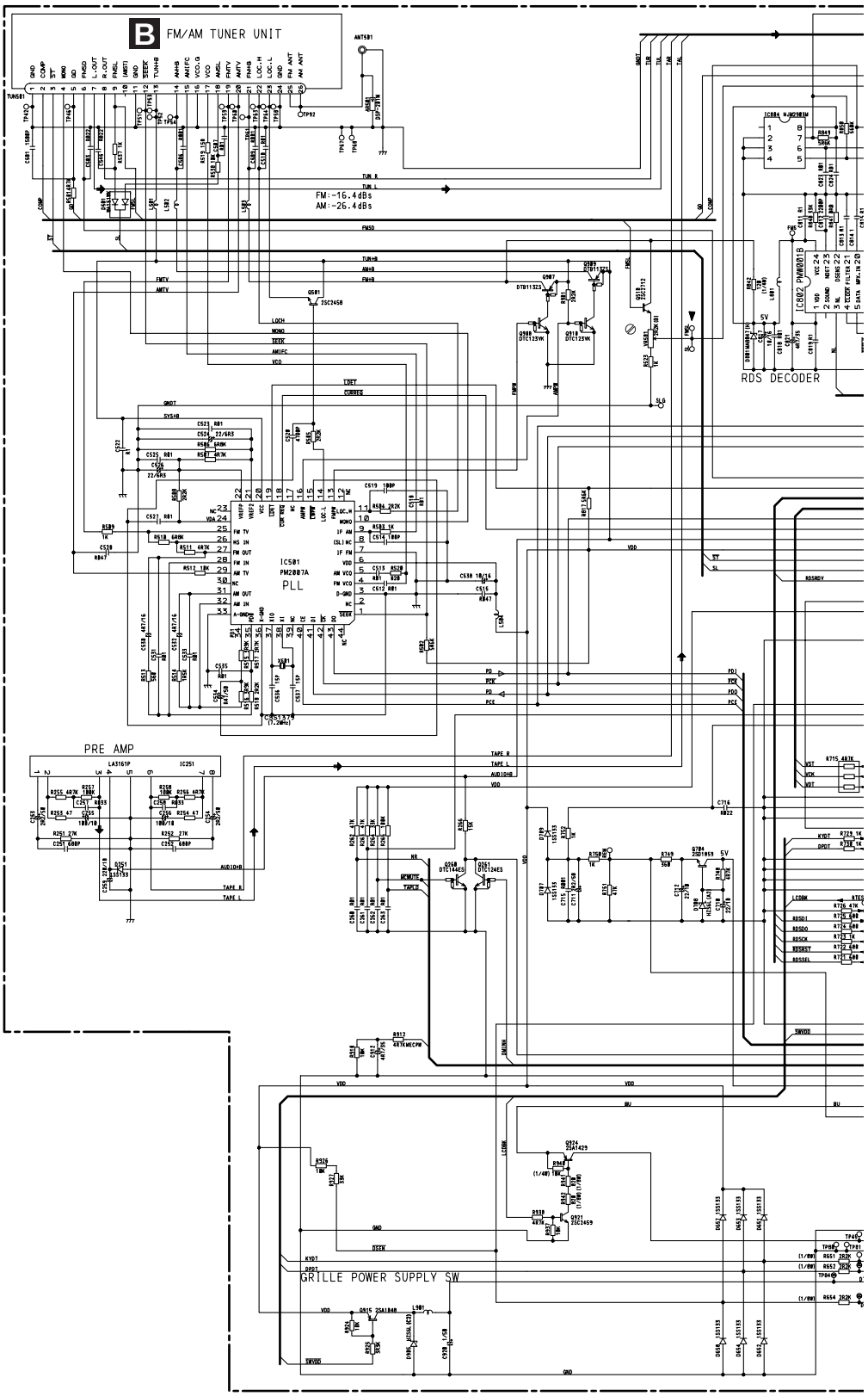

PANEL UNIT
E CONTROL UNIT(A)
5 2 3 1 7
CN951
36 9
AVDD VDD
Q951
RESET 12
Q952
KEY MATRIX
KEY/LCD
DRIVER
IC 951
PD4762A
DPDT 3
KYDT 4
X2 7
X1 8
X951
CONTROL UNIT(B)
F
KEY MATRIX
LCD951 CAW1358
IL951, 952
BACK LIGHT

3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)(SCU-M2096ZH)

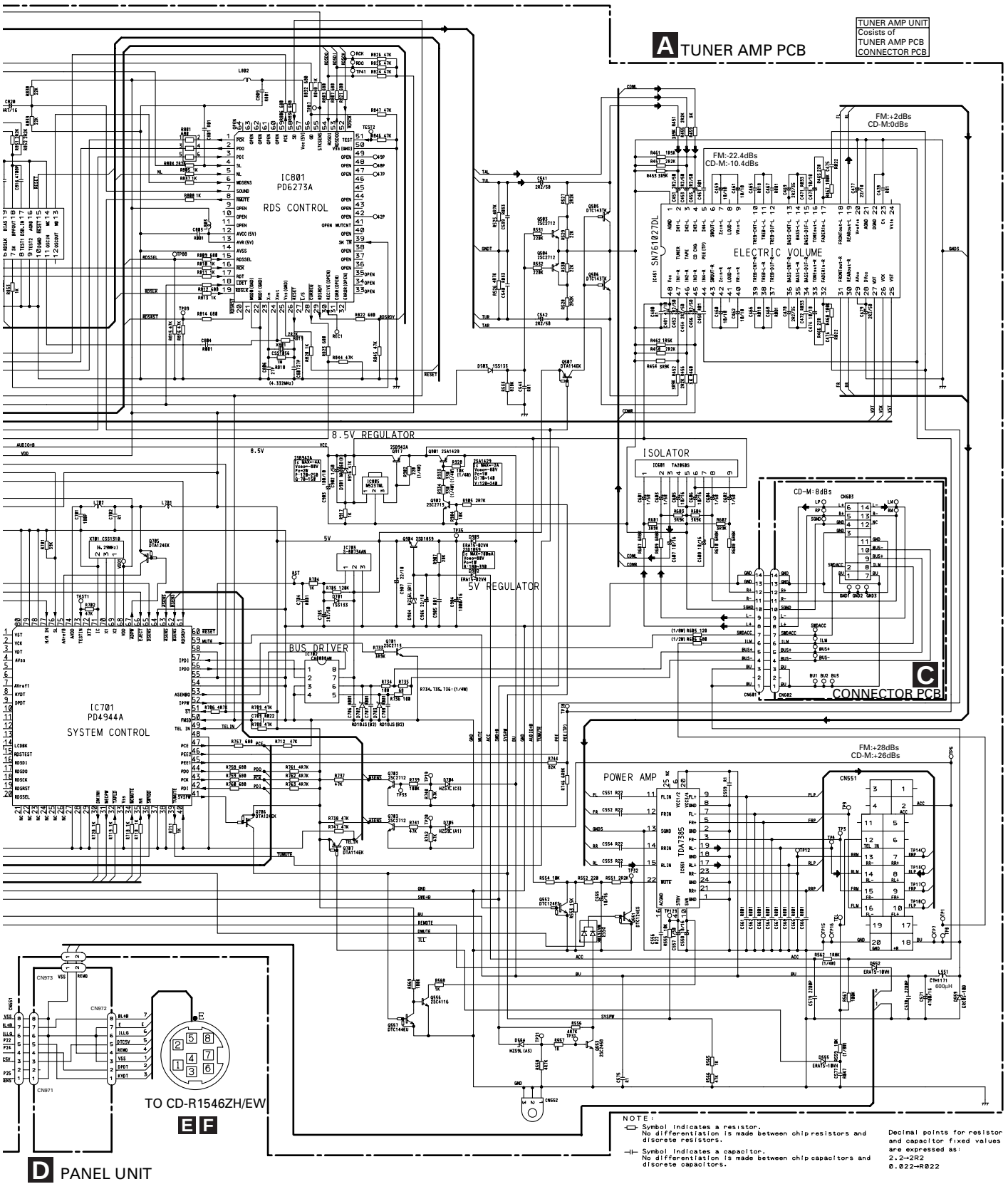
Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



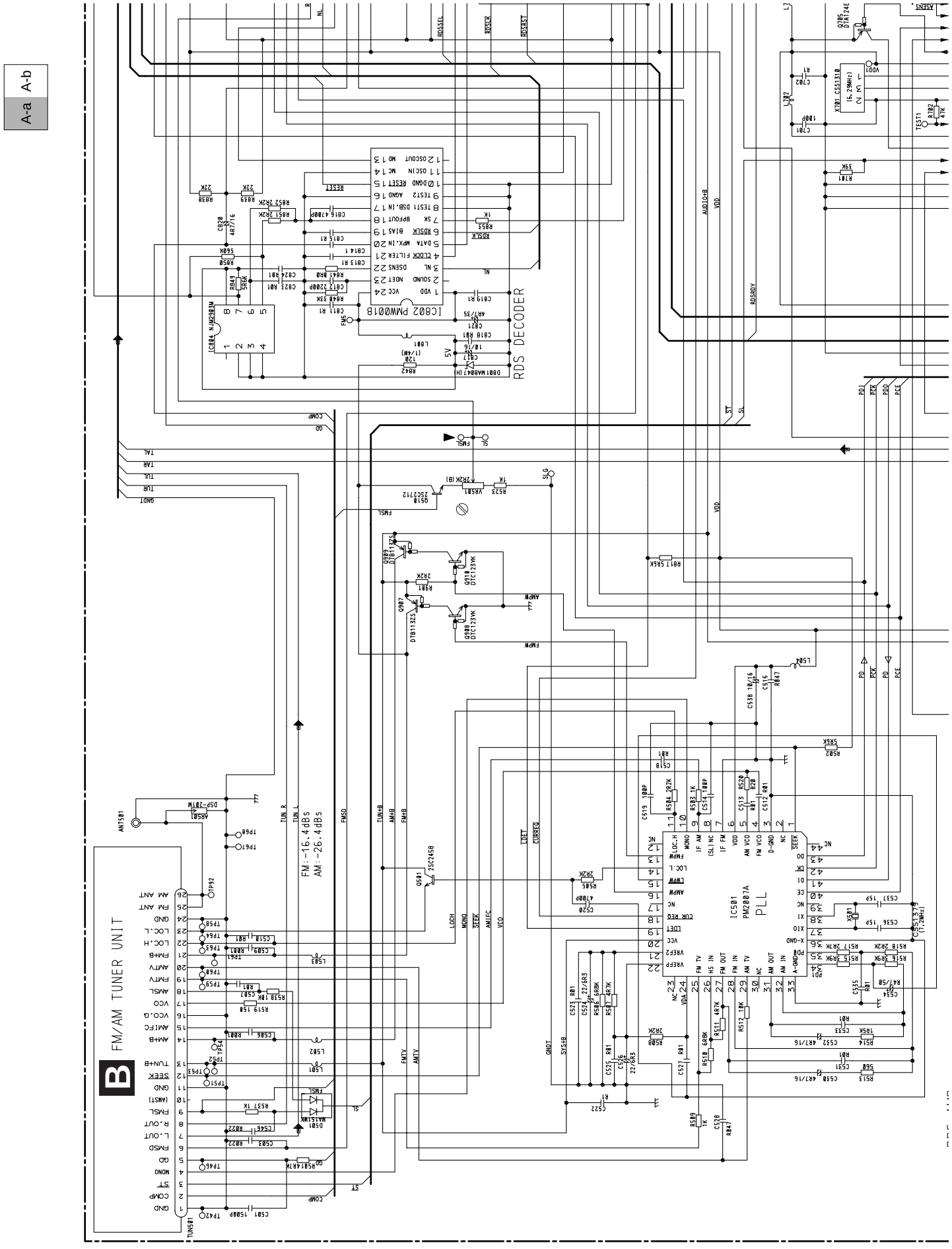
A-a

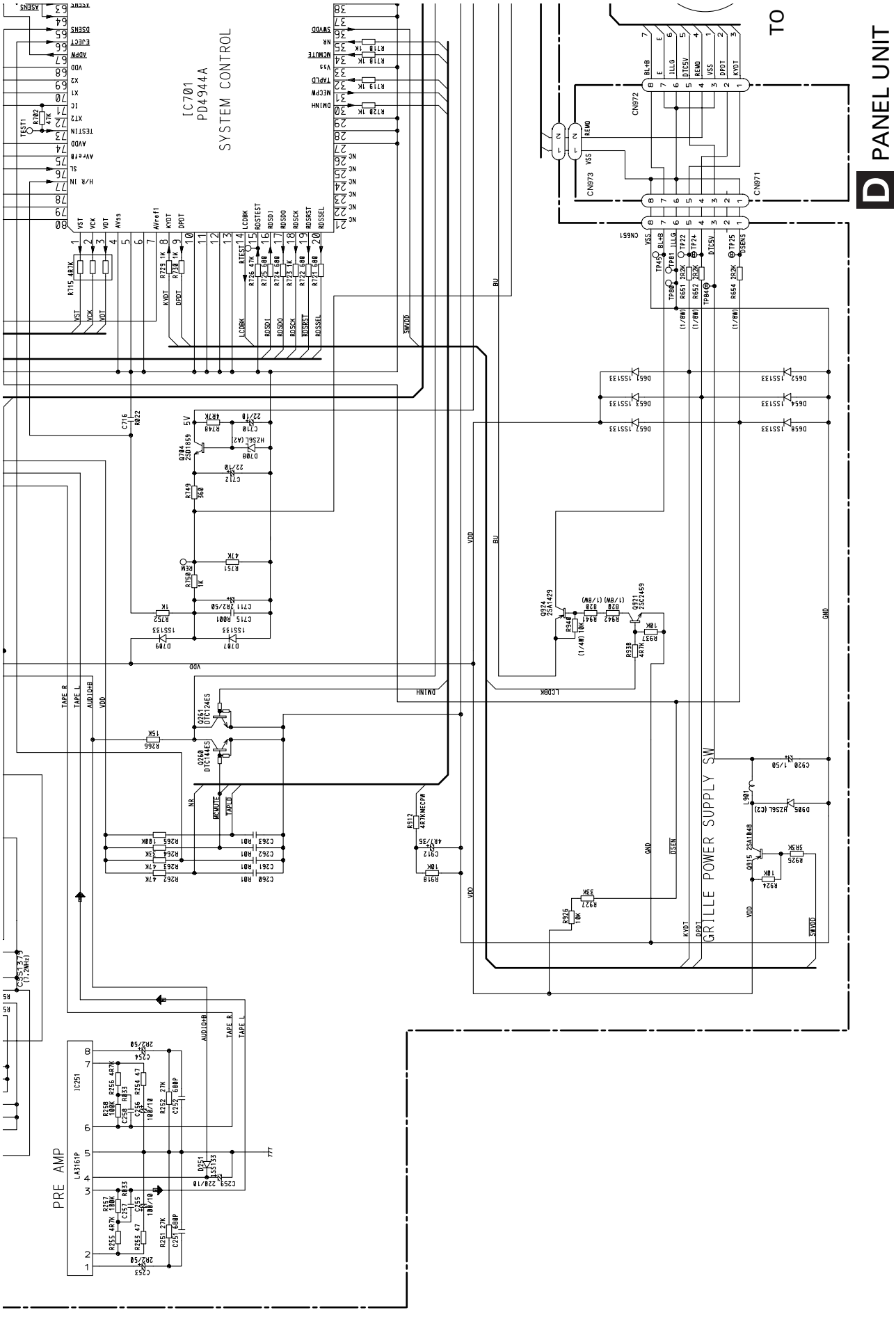


A-b


A TUNER AMP PCB
TUNER AMP UNIT
Cosists of
TUNER AMP PCB
CONNECTOR PCB
IC801
PD6273A
RDS CONTROL
IC701
PD4944A
SYSTEM CONTROL
ELECTRIC VOLUME
SN761027DL
8.5V REGULATOR
5V REGULATOR
ISOLATOR
BUS DRIVER
POWER AMP
TDA7305
FM:+2dBs
CD-M:0dBs
FM:-22.4dBs
CD-M:-10.4dBs
CD-M:8dBs
FM:+28dBs
CD-M:+26dBs
C CONNECTOR PCB
D PANEL UNIT
TO CD-R1546ZH/EW
E F
NOTE :
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

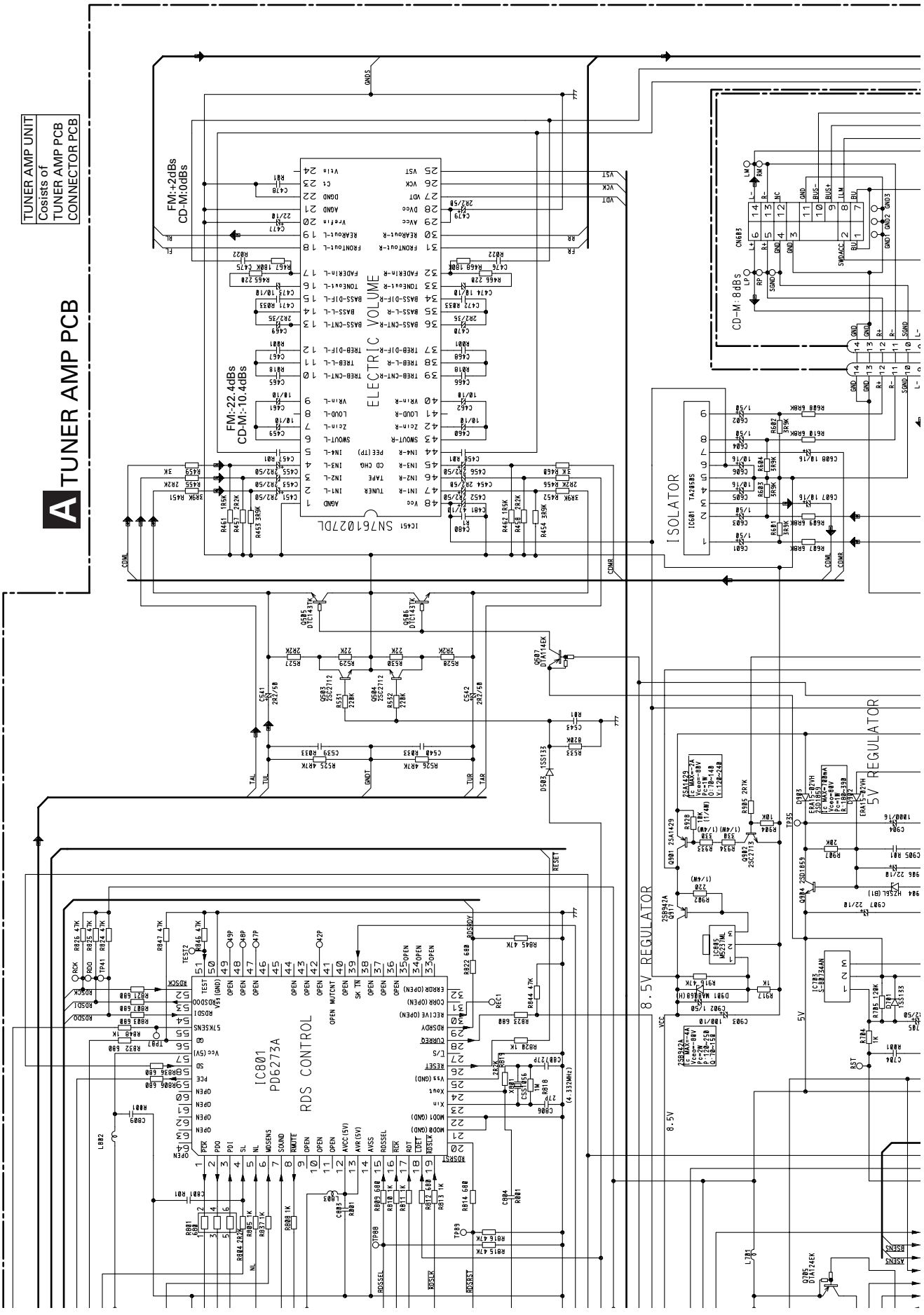
A C D

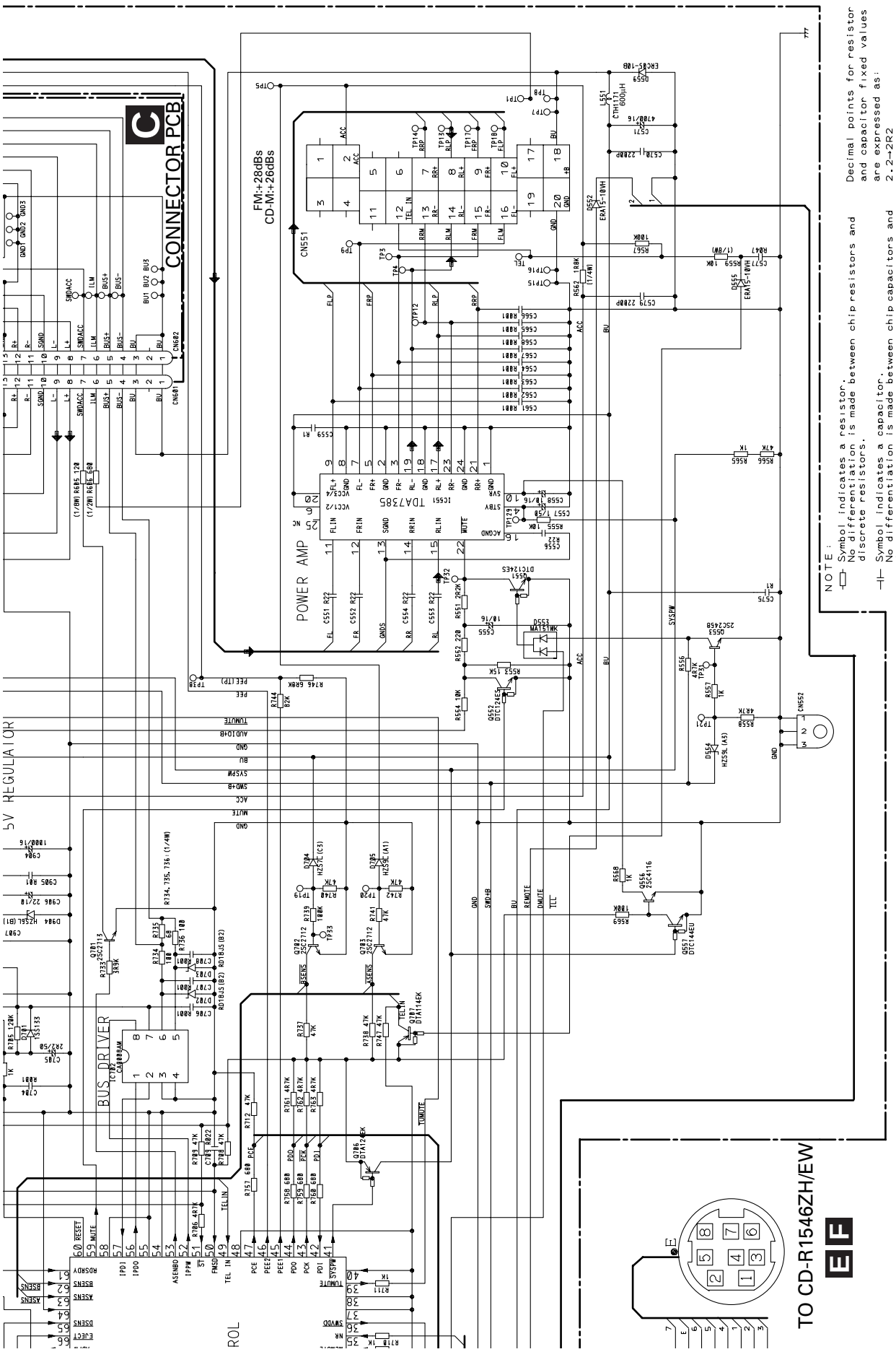

A-b
A-a
RDS DECODER
IC802 PWM001B
FM/AM TUNER UNIT
PLL
IC501 PM2007A
FM: -16.4dBs
AM: -26.4dBs


IC701
PD4944A
SYSTEM CONTROL
TO
D PANEL UNIT
A-a A-b
PRE AMP
GRILLE POWER SUPPLY SW
IC251
LA3161P
CN972
CN973
CN971
CN651
VDD
GND
BU
AUDIO4B
TAPE R
TAPE L
LCDBK
DMUTE
SWVDD
KYDT
DPDT
DSENS
VST
VCK
VDT

A-a A-b

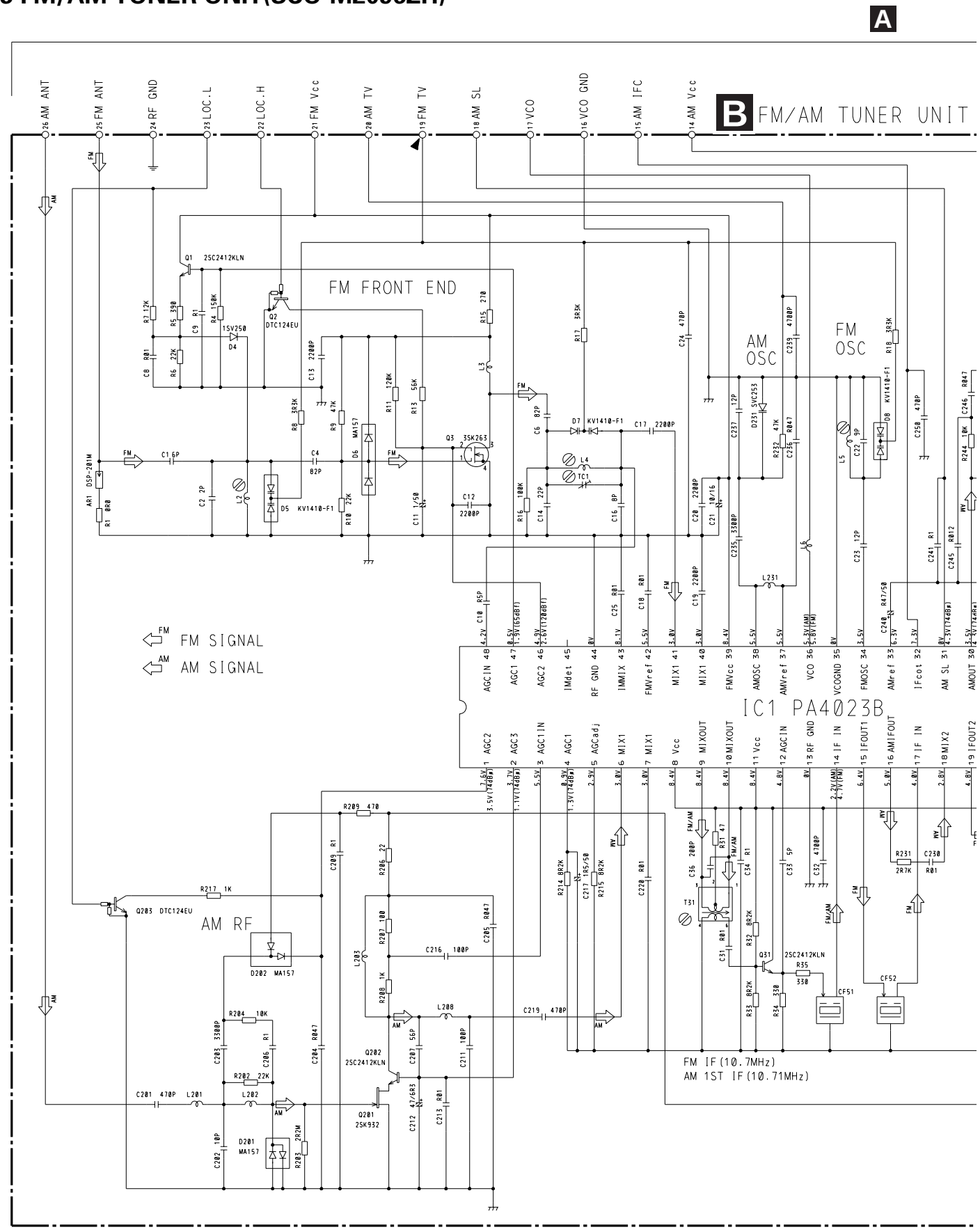
TUNER AMP UNIT
Cosists of
TUNER AMP PCB
CONNECTOR PCB

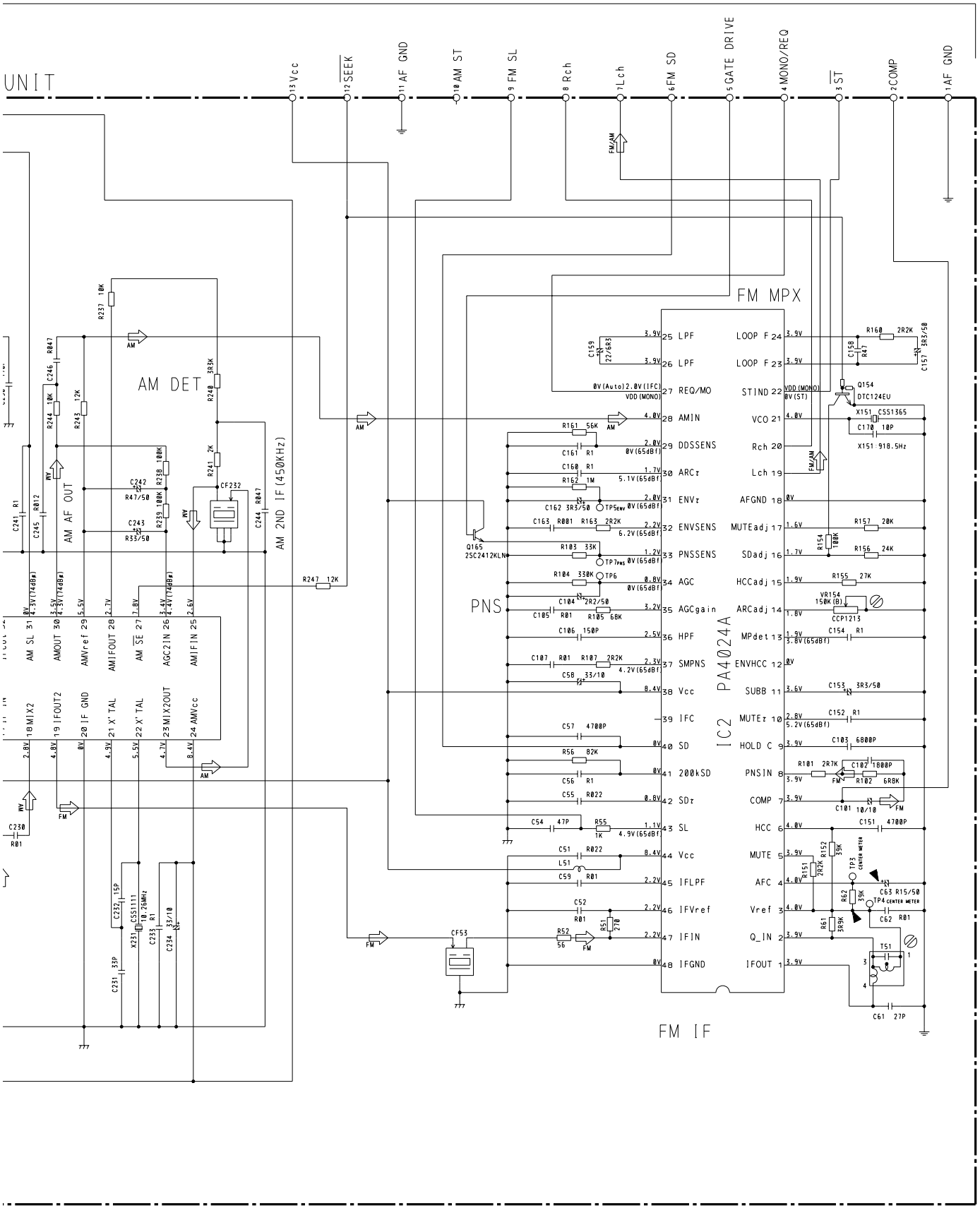



C
CONNECTOR PCB
FM:+28dBs
CD-M:+26dBs
POWER AMP
TDA7385
BUS DRIVER
5V REGULATOR
NOTE :
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022
TO CD-R1546ZH/EW
E F

A-a A-b

3.3 FM/AM TUNER UNIT(SCU-M2096ZH)

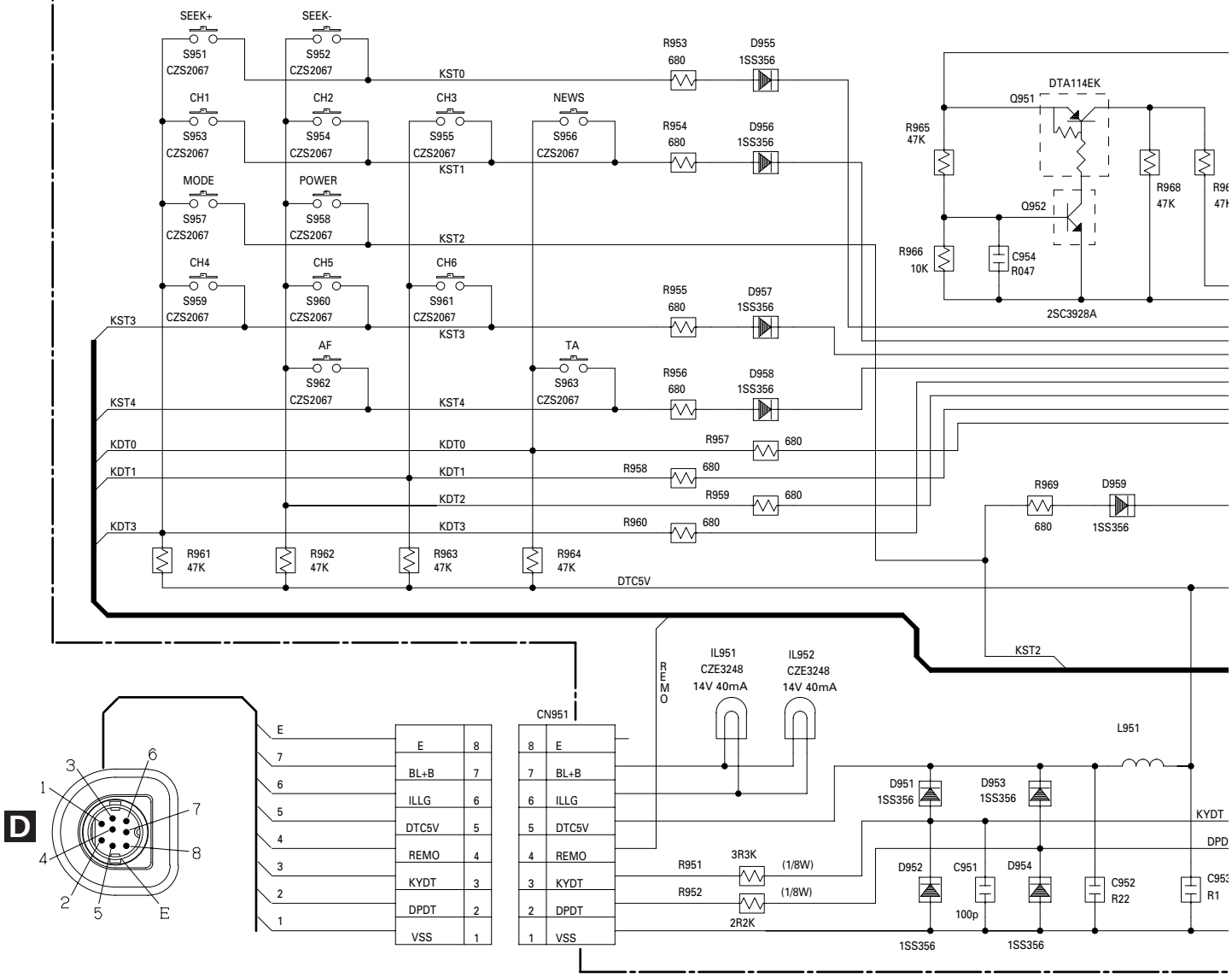



UNIT
13 Vcc
12 SEEK
11 AF GND
10 AM ST
9 FM SL
8 Rch
7 Lch
6 FM SD
5 GATE DRIVE
4 MONO/REQ
3 ST
2 COMP
1 AF GND
FM MPX
AM DET
AM AF OUT
AM 2ND IF (450KHz)
PNS
IC2 PA4024A
FM IF
25 LPF
26 LPF
27 REQ/MO
28 AMIN
29 DDSSENS
30 ARCtr
31 ENVtr
32 ENVSENS
33 PNSSENS
34 AGC
35 AGCgain
36 HPF
37 SMPNS
38 Vcc
39 IFC
40 SD
41 200kSD
42 SDtr
43 SL
44 Vcc
45 IFLPF
46 IFVref
47 IFIN
48 IFGND
24 LOOP F
23 LOOP F
22 STIND
21 VCO
20 Rch
19 Lch
18 AFGND
17 MUTEadj
16 SDadj
15 HCCadj
14 ARCadj
13 MPdet
12 ENVHCC
11 SUBB
10 MUTEtr
9 HOLD C
8 PNSIN
7 COMP
6 HCC
5 MUTE
4 AFC
3 Vref
2 Q_IN
1 IFOUT
31 AM SL
30 AMOUT
29 AMVref
28 AMIFOUT
27 AM SE
26 AGC2IN
25 AMIFIN
19 MIX2
19 IFOUT2
20 IF GND
21 X'TAL
22 X'TAL
23 MIX2OUT
24 AMVcc
Q165 2SC2412KLN
Q154 DTC124EU
X151 CSS1365 X151:918.5Hz
X231 CSS1111 10.25MHz
CF232
CF53
T51
VR154 150K(B) CCP1213
TP3 CENTER METER
TP4 CENTER METER
TP5ENV
TP7PNS
TP6

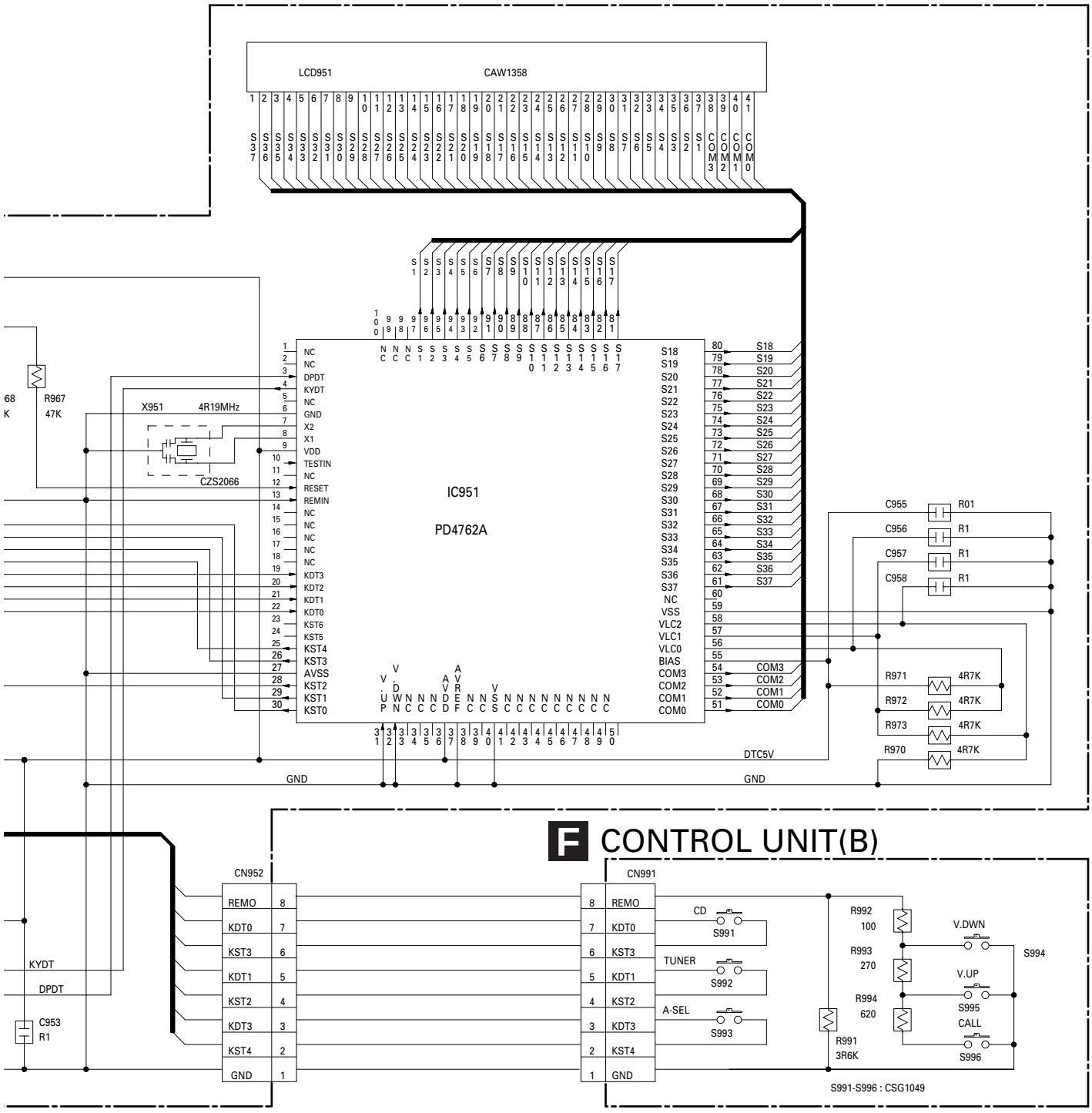
3.4 CONTROL UNIT(A),CONTROL UNIT(B)(CD-R1546ZH)

CONTROL UNIT
Cosists of
CONTROL UNIT(A)
CONTROL UNIT(B)

E CONTROL UNIT(A)



D

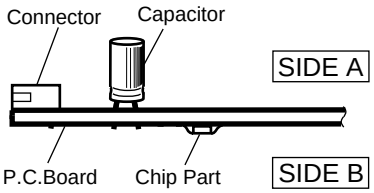

LCD951
CAW1358
IC951
PD4762A
X951
4R19MHz
CZS2066
R967
47K
C955
C956
C957
C958
R01
R1
R971
R972
R973
R970
4R7K
DTC5V
GND
CONTROL UNIT(B)
CN952
CN991
REMO
KDT0
KST3
KDT1
KST2
KDT3
KST4
GND
KYDT
DPDT
C953
R1
CD
TUNER
A-SEL
S991
S992
S993
R992
100
R993
270
R994
620
R991
3R6K
V.DWN
V.UP
CALL
S994
S995
S996
S991-S996 : CSG1049

4. PCB CONNECTION DIAGRAM

4.1 TUNER AMP PCB

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams



IC, Q

ADJ

VR501

Q501

Q907
Q908

IC501
Q909
IC601 Q910

Q912
Q911

IC251

Q704 Q507
Q702 Q703
IC451

IC551
Q260

Q261
Q555 IC702

Q904

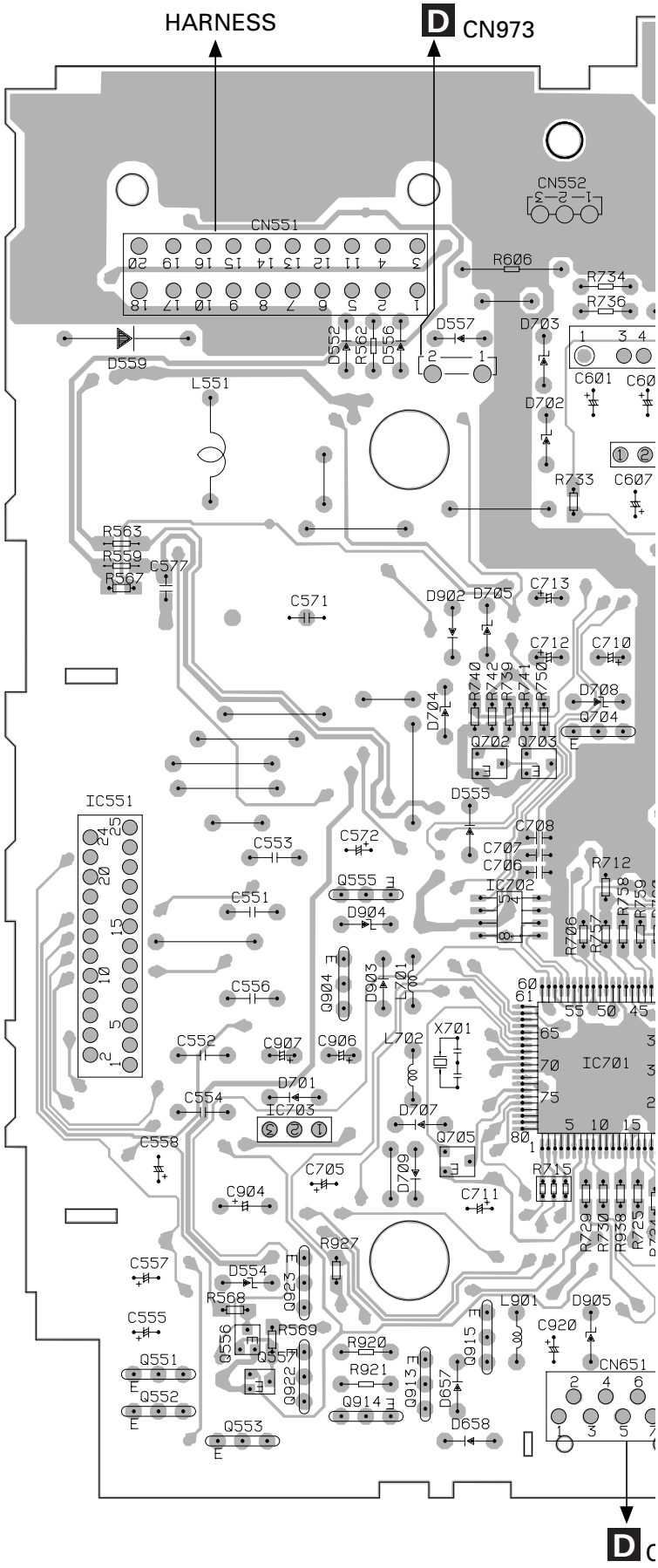
IC701

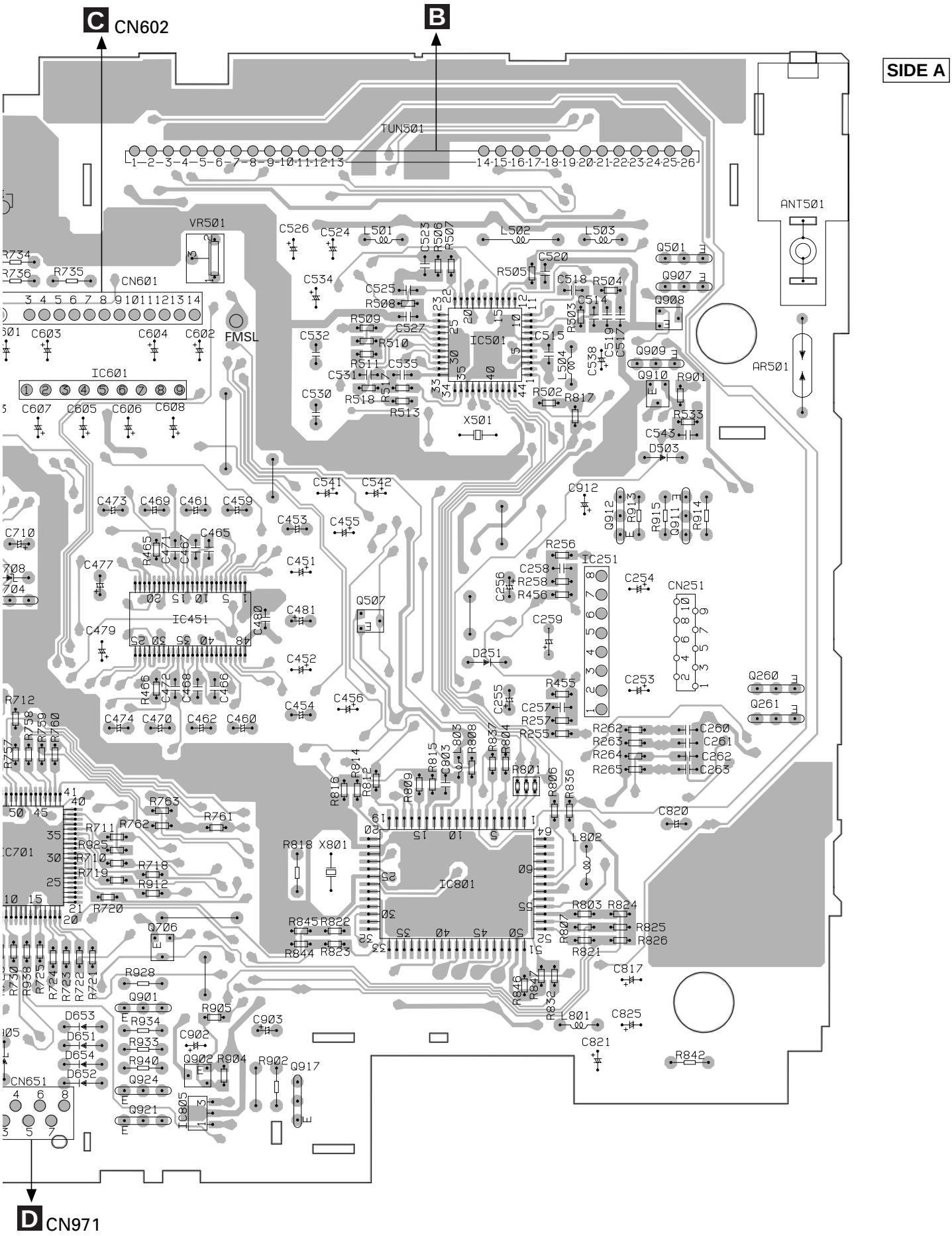
IC801
IC703
Q705
Q706

Q901

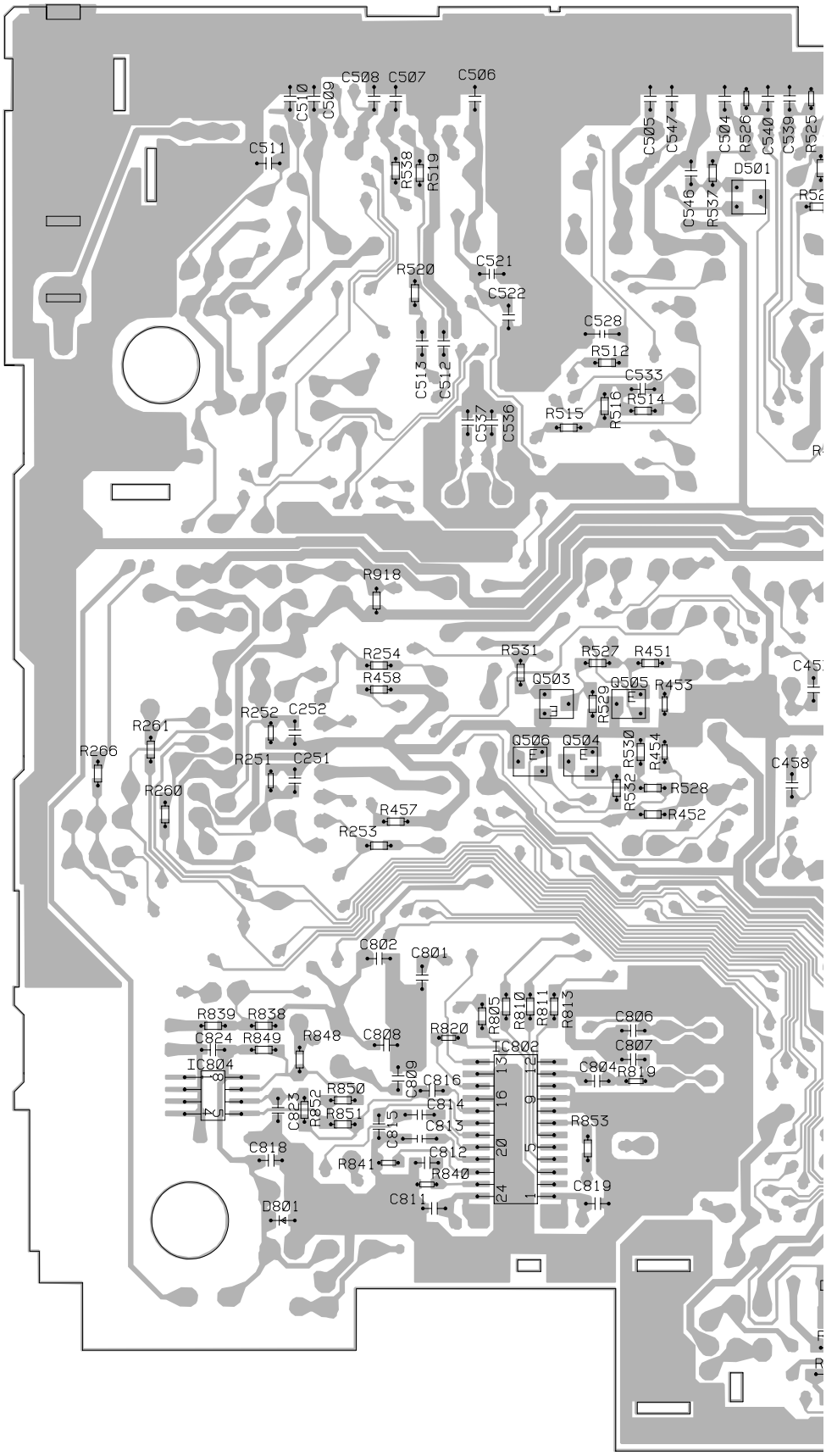
Q923
Q902
Q917
Q557 Q915 Q924
Q551 Q556
Q922 Q914 Q913 Q921
Q552 Q553 IC805

A TUNER AMP PCB

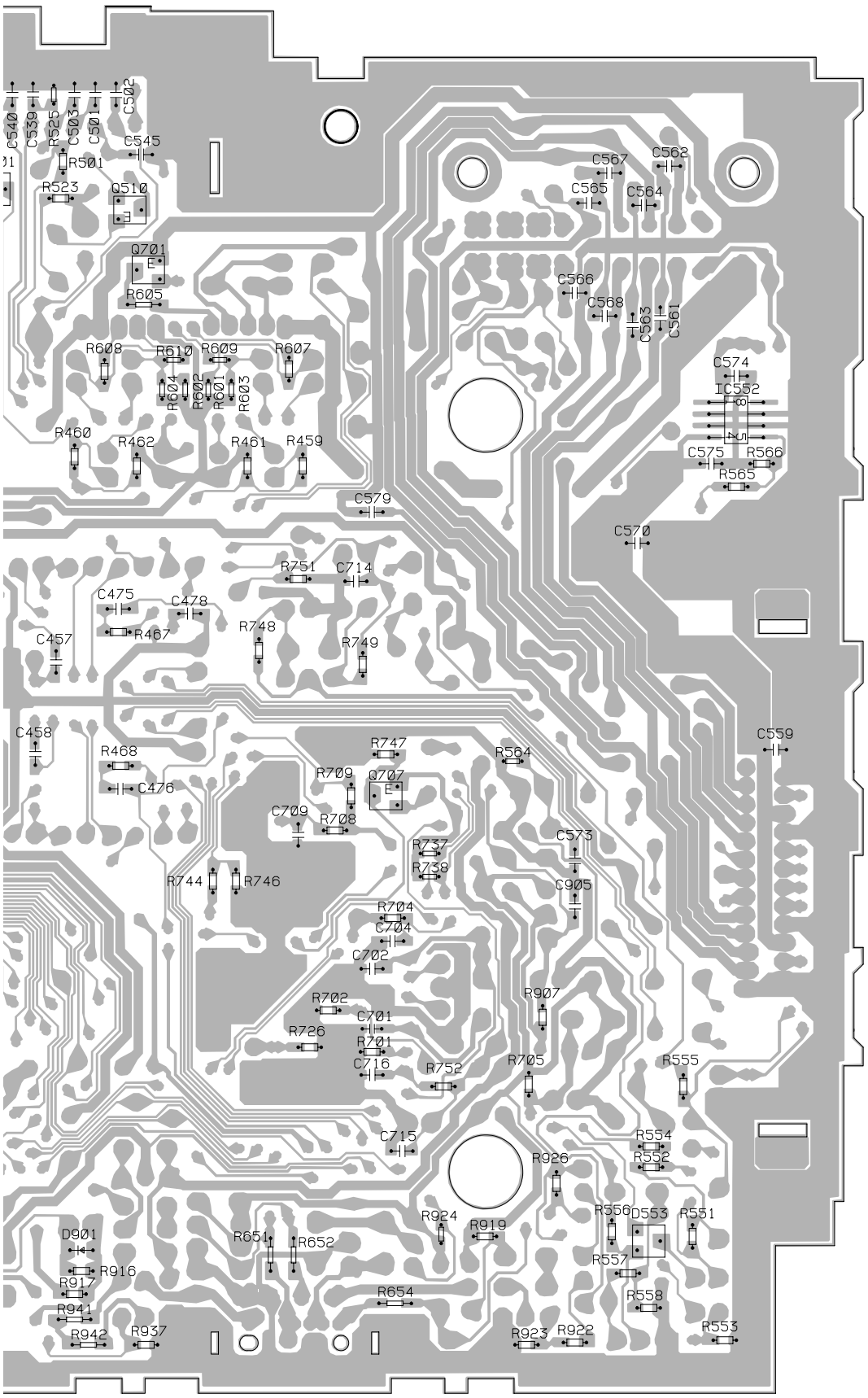



C CN602
B
SIDE A
TUN501
ANT501
VR501
CN601
FMSL
IC601
IC501
X501
AR501
IC451
IC251
CN251
IC701
IC801
IC805
CN651
D CN971

A TUNER AMP PCB



SIDE B



IC, Q

Q510

Q701

IC552

Q503 Q505

Q506 Q504

Q707

IC804

IC802

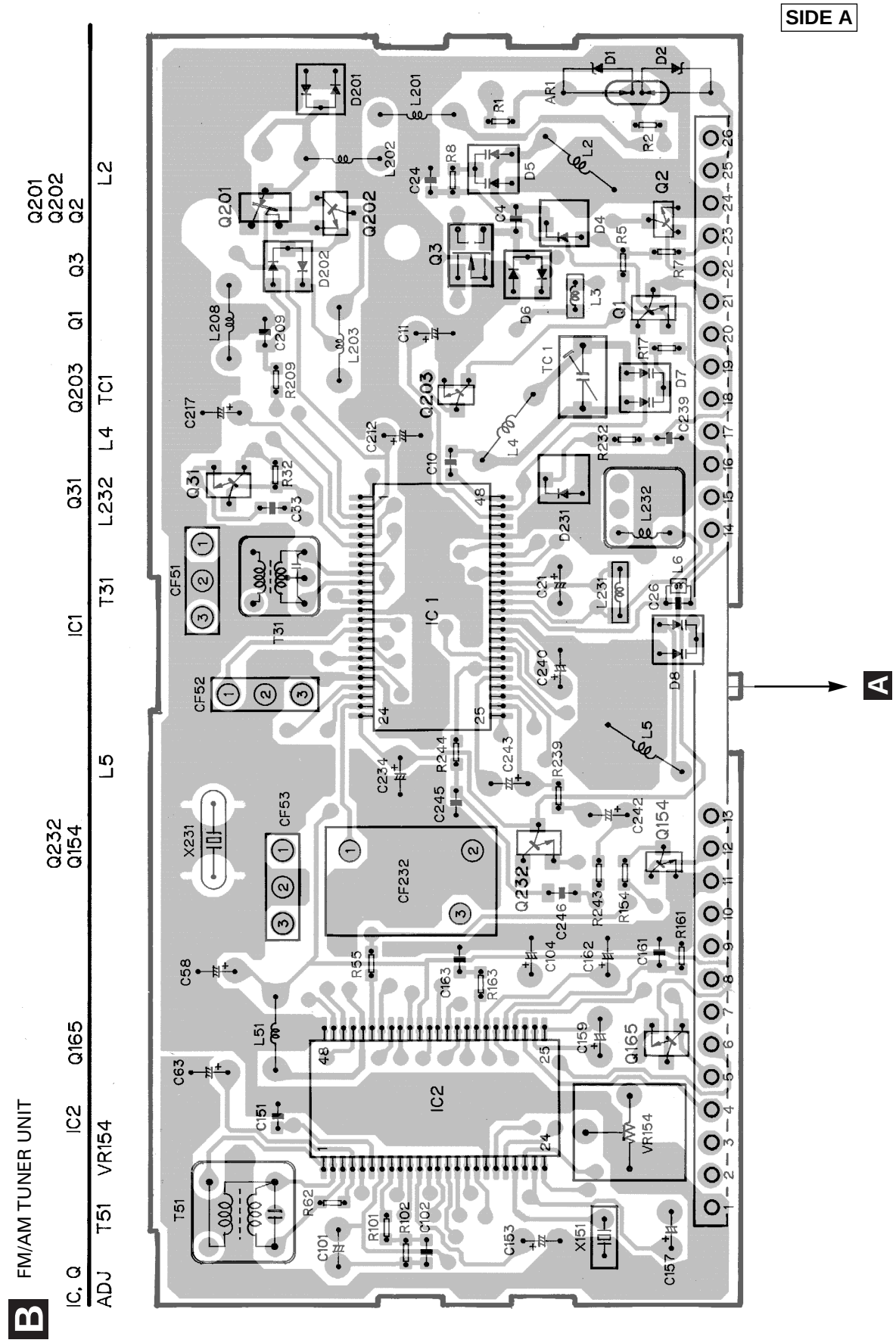
A

B

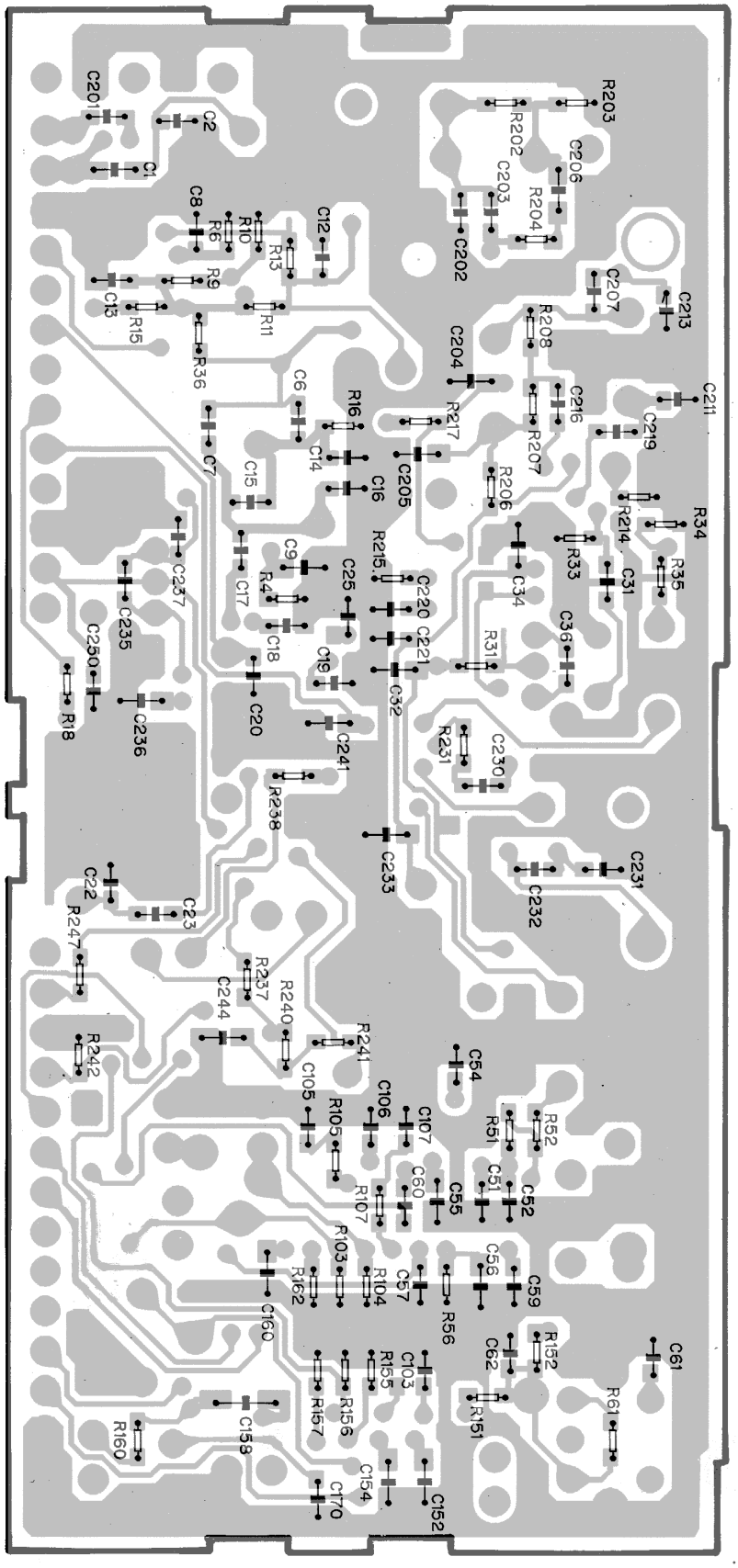
C

D

4.2 FM/AM TUNER UNIT



SIDE B

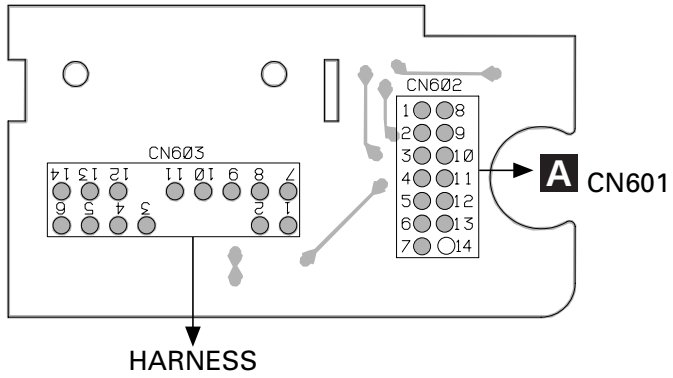


B FM/AM TUNER UNIT

4.3 CONNECTOR PCB(SCU-M2096ZH)

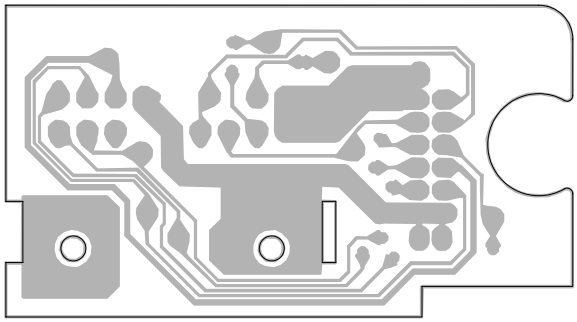
C CONNECTOR PCB

SIDE A



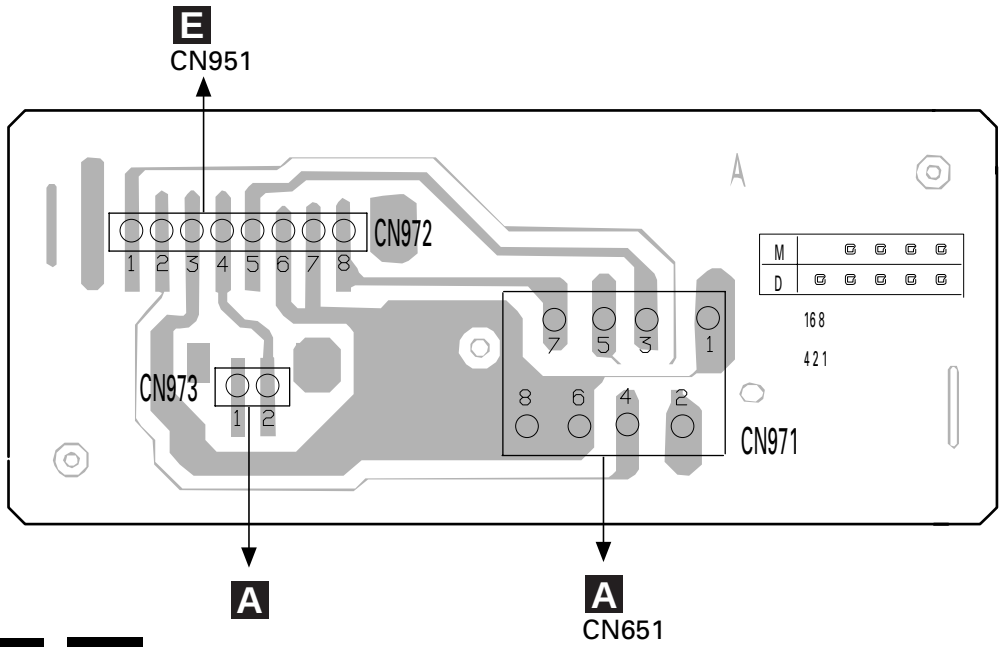
C CONNECTOR PCB

SIDE B



4.4 PANEL UNIT(SCU-M2096ZH)

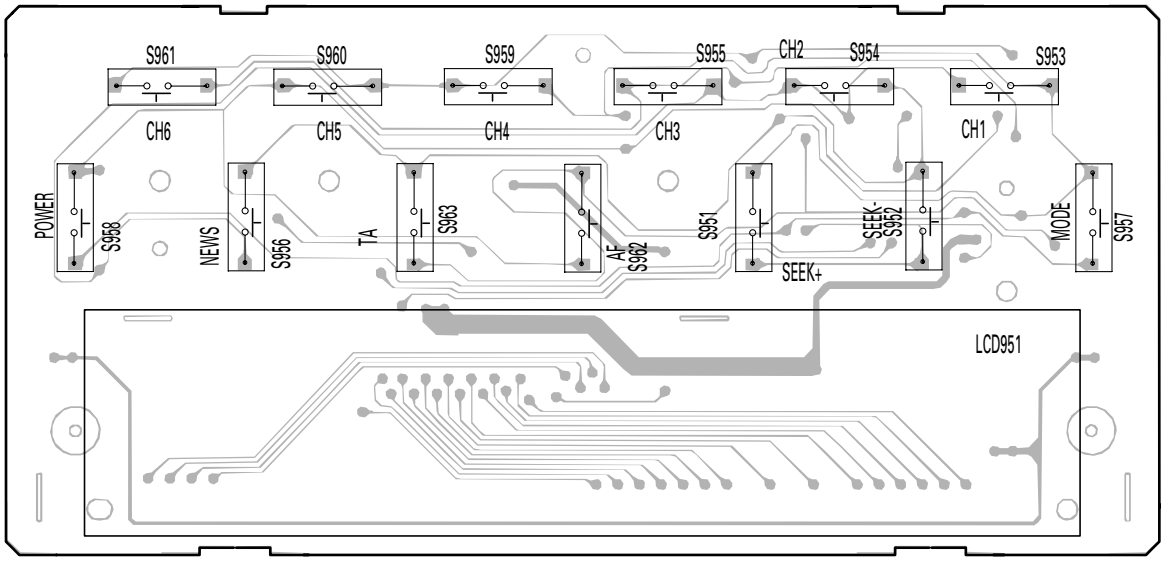
D PANEL UNIT



4.5 CONTROL UNIT(A)(CD-R1546ZH)

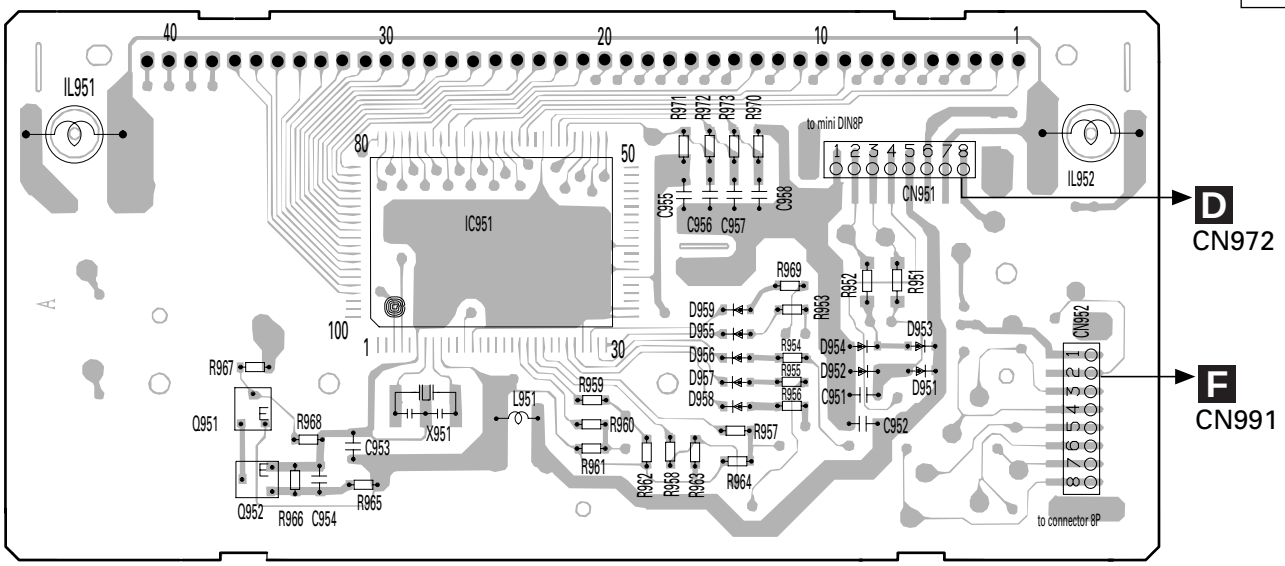
E CONTROL UNIT(A)

SIDE A



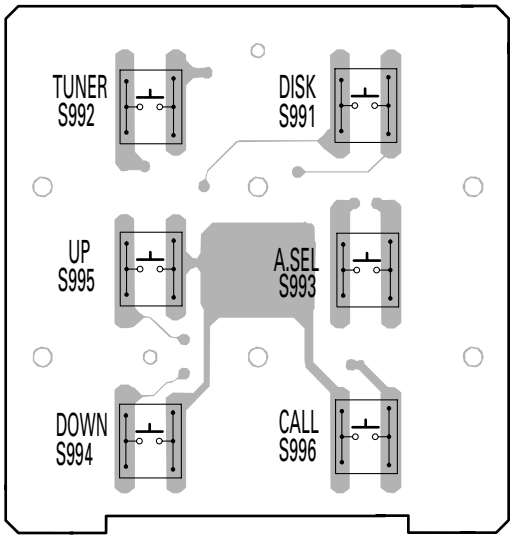
E CONTROL UNIT(A)

SIDE B

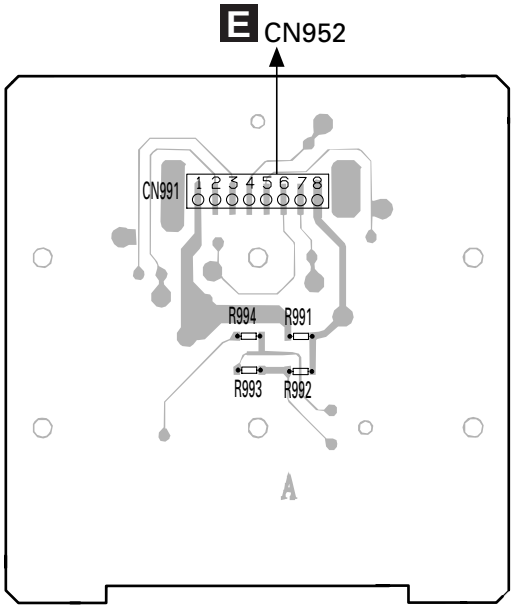


4.6 CONTROL UNIT(B)(CD-R1546ZH)

F CONTROL UNIT(B) **SIDE A**



F CONTROL UNIT(B) **SIDE B**



5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

Tuner Amp Unit
Consists of
Tuner Amp PCB
Connector PCB

A C Unit Number : UWM6489
Unit Name : Tuner Amp Unit

MISCELLANEOUS

=====Circuit Symbol & No.		===Part Name	Part No.
IC	251	IC	LA3161P
IC	451	IC	SN761027DL
IC	501	IC	PM2007A
IC	551	IC	TDA7385
IC	601	IC	TA2050S
IC	701	IC	PD4944A
IC	702	IC	CA0008AM
IC	703	IC	S-80734AN
IC	801	IC	PD6273A
IC	802	IC	PMW001B
IC	804	IC	NJM2903M
IC	805	IC	M5237ML
Q	260	Transistor	DTC144ES
Q	261	Transistor	DTC124ES
Q	501	Transistor	2SC2458
Q	503	Transistor	2SC2712
Q	504	Transistor	2SC2712
Q	505	Transistor	DTC143TK
Q	506	Transistor	DTC143TK
Q	507	Transistor	DTA114EK
Q	510	Transistor	2SC2712
Q	551	Transistor	DTC124ES
Q	552	Transistor	DTC124ES
Q	553	Transistor	2SC2458
Q	556	Transistor	2SC4116
Q	557	Transistor	DTC144EU
Q	701	Transistor	2SC2713
Q	702	Transistor	2SC2712
Q	703	Transistor	2SC2712
Q	704	Transistor	2SD1859
Q	705	Transistor	DTA124EK
Q	706	Transistor	DTA124EK
Q	707	Transistor	DTA114EK
Q	901	Transistor	2SA1429
Q	902	Transistor	2SC2713
Q	904	Transistor	2SD1859
Q	907	Transistor	DTB113ZS
Q	908	Transistor	DTC123YK
Q	909	Transistor	DTB113ZS
Q	910	Transistor	DTC123YK
Q	915	Transistor	2SA1048
Q	917	Transistor	2SB942A
Q	921	Transistor	2SC2459
Q	924	Transistor	2SA1429
D	251	Diode	1SS133

=====Circuit Symbol & No.		===Part Name	Part No.
D	501	Chip Diode	MA151WK
D	503	Diode	1SS133
D	552	Diode	ERA15-10VH
D	553	Chip Diode	MA151WK
D	554	Diode	HZS9L(A3)
D	555	Diode	ERA15-10VH
D	559	Diode	ERC05-10B
D	651	Diode	1SS133
D	652	Diode	1SS133
D	653	Diode	1SS133
D	654	Diode	1SS133
D	657	Diode	1SS133
D	658	Diode	1SS133
D	701	Diode	1SS133
D	702	Diode	RD18JS(B2)
D	703	Diode	RD18JS(B2)
D	704	Diode	HZS7L(C3)
D	705	Diode	HZS9L(A1)
D	707	Diode	1SS133
D	708	Diode	HZS6L(A2)
D	709	Diode	1SS133
D	801	Diode	MA8047(H)
D	901	Diode	MA8068(H)
D	902	Diode	ERA15-02VH
D	903	Diode	ERA15-02VH
D	904	Diode	HZS6L(B1)
D	905	Diode	HZS6L(C2)
L	501	Ferri-Inductor	LAU2R2K
L	502	Ferri-Inductor	CTF-157
L	503	Ferri-Inductor	LAU2R2K
L	504	Ferri-Inductor	LAU2R2K
L	551	Choke Coil 600μH	CTH1171
L	701	Ferri-Inductor	LAU101K
L	702	Ferri-Inductor	LAU221K
L	801	Ferri-Inductor	LAU101K
L	802	Ferri-Inductor	LAU101K
L	803	Inductor	LCTB2R2K2125
L	901	Ferri-Inductor	LAU101K
X	501	Crystal Resonator 7.200MHz	CSS1379
X	701	Ceramic Resonator 6.29MHz	CSS1310
X	801	Crystal Resonator 4.332MHz	CSS1056
VR	501	Semi-fixed 2.2kΩ(B)	CCP1202
AR	501	Surge Protector	DSP-201M
		FM/AM Tuner Unit	CWE1416

RESISTORS

R	251	RS1/10S273J
R	252	RS1/10S273J
R	253	RS1/10S470J
R	254	RS1/10S470J
R	255	RS1/10S472J
R	256	RS1/10S472J
R	257	RS1/10S104J
R	258	RS1/10S104J
R	262	RS1/10S473J
R	263	RS1/10S473J

=====Circuit Symbol & No.===Part Name			Part No.
R	264		RS1/10S333J
R	265		RS1/10S104J
R	266		RS1/10S153J
R	451		RS1/10S392J
R	452		RS1/10S392J
R	453		RS1/10S392J
R	454		RS1/10S392J
R	455		RS1/10S222J
R	456		RS1/10S222J
R	457		RS1/10S222J
R	458		RS1/10S222J
R	459		RS1/10S302J
R	460		RS1/10S302J
R	461		RS1/10S152J
R	462		RS1/10S152J
R	465		RS1/10S221J
R	466		RS1/10S221J
R	467		RS1/10S184J
R	468		RS1/10S184J
R	501		RS1/10S472J
R	502		RS1/10S562J
R	503		RS1/10S102J
R	504		RS1/10S222J
R	505		RS1/10S222J
R	506		RS1/10S682J
R	507		RS1/10S472J
R	508		RS1/10S222J
R	509		RS1/10S102J
R	510		RS1/10S682J
R	511		RS1/10S472J
R	512		RS1/10S103J
R	513		RS1/10S561J
R	514		RS1/10S152J
R	515		RS1/10S392J
R	516		RS1/10S392J
R	517		RS1/10S272J
R	518		RS1/10S222J
R	519		RS1/10S151J
R	520		RS1/10S821J
R	523		RS1/10S102J
R	525		RS1/10S472J
R	526		RS1/10S472J
R	527		RS1/10S222J
R	528		RS1/10S222J
R	529		RS1/10S223J
R	530		RS1/10S223J
R	531		RS1/10S224J
R	532		RS1/10S224J
R	533		RS1/10S824J
R	537		RS1/10S102J
R	538		RS1/10S103J
R	551		RS1/10S222J
R	552		RS1/10S221J
R	553		RS1/10S153J
R	554		RS1/10S103J
R	555		RS1/10S103J
R	556		RS1/10S472J
R	557		RS1/10S102J
R	558		RS1/10S472J
R	559		RS1/8S103J
R	562		RD1/4PU182J
R	565		RS1/10S102J
R	566		RS1/10S473J
R	567		RS1/10S104J
R	568		RS1/10S102J
R	569		RS1/10S104J
R	601		RS1/10S392J
R	602		RS1/10S392J
R	603		RS1/10S392J
R	604		RS1/10S392J

=====Circuit Symbol & No.===Part Name			Part No.
R	605		RS1/8S121J
R	606		RD1/2PM681J
R	607		RS1/10S682J
R	608		RS1/10S682J
R	609		RS1/10S682J
R	610		RS1/10S682J
R	651		RS1/8S222J
R	652		RS1/8S222J
R	654		RS1/8S222J
R	701		RS1/10S393J
R	702		RS1/10S473J
R	704		RS1/10S102J
R	705		RS1/10S124J
R	706		RS1/10S472J
R	708		RS1/10S473J
R	709		RS1/10S473J
R	710		RS1/10S102J
R	711		RS1/10S102J
R	712		RS1/10S473J
R	715		RA3C472J
R	718		RS1/10S102J
R	719		RS1/10S102J
R	720		RS1/10S102J
R	721		RS1/10S681J
R	722		RS1/10S681J
R	723		RS1/10S102J
R	724		RS1/10S681J
R	725		RS1/10S681J
R	726		RS1/10S473J
R	729		RS1/10S102J
R	730		RS1/10S102J
R	733		RS1/10S392J
R	734		RD1/4PU101J
R	735		RD1/4PU680J
R	736		RD1/4PU101J
R	737		RS1/10S473J
R	738		RS1/10S473J
R	739		RS1/10S104J
R	740		RS1/10S473J
R	741		RS1/10S473J
R	742		RS1/10S473J
R	744		RS1/10S823J
R	746		RS1/10S682J
R	747		RS1/10S473J
R	748		RS1/10S472J
R	749		RS1/10S361J
R	750		RS1/10S102J
R	751		RS1/10S473J
R	752		RS1/10S102J
R	757		RS1/10S681J
R	758		RS1/10S681J
R	759		RS1/10S681J
R	760		RS1/10S681J
R	761		RS1/10S472J
R	762		RS1/10S472J
R	763		RS1/10S472J
R	801		RA3C681J
R	803		RS1/10S681J
R	804		RS1/10S222J
R	805		RS1/10S102J
R	806		RS1/10S681J
R	807		RS1/10S681J
R	808		RS1/10S102J
R	809		RS1/10S681J
R	810		RS1/10S102J
R	811		RS1/10S102J
R	812		RS1/10S681J
R	813		RS1/10S102J
R	814		RS1/10S681J
R	815		RS1/10S473J

=====Circuit Symbol & No.===Part Name			Part No.
R	816		RS1/10S473J
R	817		RS1/10S562J
R	818		RD1/4PU105J
R	819		RS1/10S222J
R	820		RS1/10S102J
R	821		RS1/10S681J
R	822		RS1/10S681J
R	823		RS1/10S681J
R	824		RS1/10S473J
R	825		RS1/10S473J
R	826		RS1/10S473J
R	832		RS1/10S681J
R	836		RS1/10S681J
R	837		RS1/10S102J
R	838		RS1/10S223J
R	839		RS1/10S223J
R	840		RS1/10S333J
R	841		RS1/10S0R0J
R	842		RD1/4PU121J
R	844		RS1/10S473J
R	845		RS1/10S473J
R	846		RS1/10S473J
R	847		RS1/10S473J
R	848		RS1/10S102J
R	849		RS1/10S562J
R	850		RS1/10S564J
R	851		RS1/10S222J
R	852		RS1/10S222J
R	853		RS1/10S102J
R	901		RS1/10S222J
R	902		RD1/4PU221J
R	904		RS1/10S103J
R	905		RS1/10S272J
R	907		RS1/10S203J
R	912		RS1/10S472J
R	916		RS1/10S473J
R	917		RS1/10S102J
R	918		RS1/10S103J
R	924		RS1/10S103J
R	925		RS1/10S332J
R	926		RS1/10S103J
R	927		RS1/10S333J
R	928		RD1/4PU103J
R	933		RD1/4PU331J
R	934		RD1/4PU331J
R	937		RS1/10S103J
R	938		RS1/10S472J
R	940		RD1/4PU103J
R	941		RS1/8S821J
R	942		RS1/8S821J
CAPACITORS			
C	251		CKSQYB681K50
C	252		CKSQYB681K50
C	253		CEJA2R2M50
C	254		CEJA2R2M50
C	255		CEJA101M10
C	256		CEJA101M10
C	257		CKSQYB333K25
C	258		CKSQYB333K25
C	259	220μF/10V	CCH1014
C	260		CKSQYB103K50
C	261		CKSQYB103K50
C	262		CKSQYB103K50
C	263		CKSQYB103K50
C	451		CEJA2R2M50
C	452		CEJA2R2M50

=====Circuit Symbol & No.===Part Name			Part No.
C	453		CEJANP2R2M50
C	454		CEJANP2R2M50
C	455		CEJA2R2M50
C	456		CEJA2R2M50
C	457		CKSQYB103K50
C	458		CKSQYB103K50
C	459		CEJANP100M10
C	460		CEJANP100M10
C	461		CEJANP100M10
C	462		CEJANP100M10
C	465		CKSQYB183K50
C	466		CKSQYB183K50
C	467		CKSQYB102K50
C	468		CKSQYB102K50
C	469		CEJANP2R2M35
C	470		CEJANP2R2M35
C	471		CKSQYB333K25
C	472		CKSQYB333K25
C	473		CEJANP100M10
C	474		CEJANP100M10
C	475		CKSQYB223K50
C	476		CKSQYB223K50
C	477		CEJA220M10
C	478		CKSQYB103K50
C	479		CEJA2R2M50
C	480		CKSQYB104K50
C	481		CEJA470M10
C	501		CKSQYB152K50
C	503		CKSQYB223K50
C	506		CKSQYB102K50
C	507		CKSQYB103K50
C	509		CKSQYB102K50
C	510		CKSQYB103K50
C	512		CKSQYB103K50
C	513		CKSQYB103K50
C	514		CCSQSL101J50
C	515		CKSQYB473K25
C	518		CKSQYB103K50
C	519		CCSQSL101J50
C	520		CKSQYB472K50
C	522		CKSQYB104K50
C	523		CKSQYB103K50
C	524		CEJA220M6R3
C	525		CKSQYB103K50
C	526		CEJA220M6R3
C	527		CKSQYB103K50
C	528		CKLSR473K16
C	530	4.7μF/10V	CCH1280
C	531		CKSQYB103K50
C	532	4.7μF/10V	CCH1280
C	533		CKSQYB103K50
C	534		CEJAR47M50
C	535		CKSQYB103K50
C	536		CCSQCH150J50
C	537		CCSQCH150J50
C	538		CEJA100M16
C	539		CKSQYB333K25
C	540		CKSQYB333K25
C	541		CEJA2R2M50
C	542		CEJA2R2M50
C	543		CKSQYB103K50
C	546		CKSQYB223K50
C	551		CFTNA224J50
C	552		CFTNA224J50
C	553		CFTNA224J50
C	554		CFTNA224J50
C	555		CEJA100M16
C	556		CFTNA224J50
C	557		CEJA1R0M50
C	558		CEHAR100M16

Circuit Symbol & No.		Part Name	Part No.
C	559		CKSQYB104K50
C	561		CKSQYB102K50
C	562		CKSQYB102K50
C	563		CKSQYB102K50
C	564		CKSQYB102K50
C	565		CKSQYB102K50
C	566		CKSQYB102K50
C	567		CKSQYB102K50
C	568		CKSQYB102K50
C	570		CKSQYB222K50
C	571		CEAS472M16
C	575		CKSQYB104K50
C	577		CKSQYB473K50
C	579		CKSQYB222K50
C	601		CEJA1R0M50
C	602		CEJA1R0M50
C	603		CEJA1R0M50
C	604		CEJA1R0M50
C	605		CEJA100M16
C	606		CEJA100M16
C	607		CEJA100M16
C	608		CEJA100M16
C	701		CCSQSL101J50
C	702		CKSQYB104K50
C	704		CKSQYB102K50
C	705		CEJA2R2M50
C	706		CKSQYB102K50
C	707		CKSQYB102K50
C	708		CKSQYB102K50
C	709		CKSQYB223K50
C	710		CEJA220M10
C	711		CEJA2R2M50
C	712		CEJA220M10
C	715		CKSQYB102K50
C	716		CKSQYB223K50
C	801		CKSQYB103K50
C	803		CKSQYB102K50
C	804		CKSQYB102K50
C	806		CCSQCH270J50
C	807		CCSQCH270J50
C	809		CKSQYB102K50
C	811		CKSQYB104K50
C	812		CKSQYB222K50
C	813		CKSYB104K50
C	814		CKSYB105K16
C	815		CKSQYB104K50
C	816		CKSQYB472K50
C	817		CEJA100M16
C	818		CKSQYB103K50
C	819		CKSQYB104K50
C	820		CEJANP4R7M16
C	821		CEJA4R7M35
C	823		CKSQYB103K50
C	824		CKSQYB103K50
C	902		CEJA1R0M50
C	903		CEJA101M10
C	904		CEAS102M16
C	905		CKSQYB103K50
C	906		CEJA220M10
C	907		CEJA220M10
C	912		CEJA4R7M35
C	920		CEJA1R0M50

B Unit Number: CWE1416
Unit Name : FM/AM Tuner Unit

MISCELLANEOUS

Circuit Symbol & No.		Part Name	Part No.
IC	1	IC	PA4023B
IC	2	IC	PA4024A
Q	1	Transistor	2SC2412K
Q	2	Transistor	DTC124EU
Q	3	FET	3SK263
Q	31	Transistor	2SC2412K
Q	154	Transistor	DTC124EU
Q	165	Transistor	2SC2412K
Q	201	FET	2SK932
Q	202	Transistor	2SC2412K
Q	203	Transistor	DTC124EU
D	4	Diode	1SV250
D	5	Diode	KV1410-F1
D	7	Diode	KV1410-F1
D	8	Diode	KV1410-F1
D	201	Diode	MA157
D	202	Diode	MA157
D	231	Diode	SVC253
L	2	Coil	CTC1108
L	3	Inductor	LCTB2R2K2125
L	4	Coil	CTC1108
L	5	Coil	CTC1107
L	6	Inductor	LCTBR15K1608
L	51	Ferri-Inductor	LAU150K
L	201	Ferri-Inductor	LAU4R7K
L	202	Ferri-Inductor	LAU330K
L	203	Inductor	CTF1287
L	208	Inductor	LAU121K
L	231	Inductor	LCTA3R3J3225
T	31	Coil	CTE1116
T	51	Coil	CTC1136
TC	1	Capacitor	CCL1046
CF	51	Ceramic Filter	CTF1442
CF	52	Ceramic Filter	CTF1442
CF	53	Ceramic Filter	CTF1442
CF	232	Ceramic Filter	CTF1348
X	151	Radiator 918.5Hz	CSS1365
X	231	Crystal Resonator 10.26MHz	CSS1111
VR	154	Semi-fixed 150kΩ(B)	CCP1213
AR	1	Surge Protector	DSP-201M

RESISTORS

R	1		RS1/16S0R0J
R	4		RS1/16S154J
R	5		RS1/16S391J
R	6		RS1/16S223J
R	7		RS1/16S123J
R	8		RS1/16S332J
R	9		RS1/16S473J
R	10		RS1/16S223J
R	11		RS1/16S124J
R	13		RS1/16S563J
R	15		RS1/16S271J
R	16		RS1/16S104J
R	17		RS1/16S332J
R	18		RS1/16S332J
R	31		RS1/16S470J
R	32		RS1/16S822J
R	33		RS1/16S822J
R	34		RS1/16S331J
R	35		RS1/16S331J
R	51		RS1/16S271J

=====Circuit Symbol & No.===Part Name			Part No.
R	52		RS1/16S560J
R	55		RS1/16S102J
R	56		RS1/16S823J
R	61		RS1/16S392J
R	62		RS1/16S393J
R	101		RS1/16S272J
R	102		RS1/16S682J
R	103		RS1/16S333J
R	104		RS1/16S334J
R	105		RS1/16S683J
R	107		RS1/16S222J
R	151		RS1/16S222J
R	152		RS1/16S393J
R	154		RS1/16S104J
R	155		RS1/16S273J
R	156		RS1/16S243J
R	157		RS1/16S203J
R	160		RS1/16S222J
R	161		RS1/16S563J
R	162		RS1/16S105J
R	163		RS1/16S222J
R	202		RS1/16S223J
R	203		RS1/16S225J
R	204		RS1/16S103J
R	206		RS1/16S220J
R	207		RS1/16S101J
R	208		RS1/16S102J
R	209		RS1/16S471J
R	214		RS1/16S822J
R	215		RS1/16S822J
R	217		RS1/16S102J
R	231		RS1/16S272J
R	232		RS1/16S473J
R	237		RS1/16S103J
R	238		RS1/16S104J
R	239		RS1/16S104J
R	240		RS1/16S332J
R	241		RS1/16S202J
R	243		RS1/16S123J
R	244		RS1/16S103J
R	247		RS1/16S123J
CAPACITORS			
C	1		CCSQCH6R0D50
C	2		CCSRCK2R0C50
C	4		CCSRCH820J50
C	6		CCSRCH820J50
C	8		CKSRYB103K25
C	9		CKSQYB104K16
C	10		CCSRCKR50C50
C	11		CEJA1R0M50
C	13		CKSRYB222K50
C	14		CCSRCH220J50
C	16		CCSRCH8R0D50
C	17		CKSRYB222K50
C	18		CKSRYB103K25
C	19		CKSRYB222K50
C	20		CKSRYB222K50
C	21		CEJA100M16
C	22		CCSRTH9R0D50
C	23		CCSRTH120J50
C	24		CCSRCH471J50
C	25		CKSRYB103K25
C	31		CKSRYB103K25
C	32		CKSQYB472K50
C	33		CCSRCH5R0C50
C	34		CKSQYB104K16
C	36		CCSRRH201J50

=====Circuit Symbol & No.===Part Name			Part No.
C	51		CKSRYB223K25
C	52		CKSRYB103K25
C	54		CCSRCH470J50
C	55		CKSQYB223K25
C	56		CKSQYB104K16
C	57		CKSRYB472K50
C	58		CEJA330M10
C	59		CKSRYB103K25
C	61		CCSRCH270J50
C	62		CKSRYB103K25
C	63		CEJAR15M50
C	101		CEJANP100M10
C	102		CKSRYB182K50
C	103		CKSRYB682K25
C	104		CEJA2R2M50
C	105		CKSRYB103K25
C	106		CCSRCH151J50
C	107		CKSRYB103K25
C	151		CKSRYB472K50
C	152		CKSQYB104K16
C	153		CEJA3R3M50
C	154		CKSQYB104K16
C	157		CEJA3R3M50
C	158		CKSYB474K16
C	159		CEJA220M6R3
C	160		CKSQYB104K16
C	161		CKSQYB104K16
C	162		CEJA3R3M50
C	163		CKSRYB102K50
C	170		CCSRCH100D50
C	201		CCSRCH471J50
C	202		CCSRCH100D50
C	203		CKSRYB332K50
C	204		CKSQYB473K16
C	205		CKSQYB473K16
C	206		CKSQYB104K16
C	207		CCSRCH560J50
C	209		CKSQYB104K16
C	211		CCSRCH101J50
C	212		CEJA470M6R3
C	213		CKSRYB103K25
C	216		CCSRCH101J50
C	217		CEJA1R5M50
C	219		CCSRCH471J50
C	220		CKSRYB103K25
C	230		CKSRYB103K25
C	231		CCSRCH330J50
C	232		CCSRCH150J50
C	233		CKSQYB104K16
C	234		CEJA330M10
C	235		CKSRYB332K50
C	236		CKSQYB473K16
C	237		CCSRCH120J50
C	239		CKSRYB472K50
C	240		CEJAR47M50
C	241		CKSQYB104K16
C	242		CEJAR47M50
C	243		CEJAR33M50
C	244		CKSQYB473K16
C	245		CKSRYB123K25
C	246		CKSQYB473K16
C	250		CCSRCH471J50

=====Circuit Symbol & No.===	Part Name	Part No.
Control Unit		
Consists of		
Control Unit(A)		
Control Unit(B)		

E F Unit Number : CZW6018
Unit Name : Control Unit

MISCELLANEOUS

IC	951	IC	PD4762A
Q	951	Transistor	DTA114EK
Q	952	Transistor	2SC3928A
D	951	Diode	1SS356
D	952	Diode	1SS356
D	953	Diode	1SS356
D	954	Diode	1SS356
D	955	Diode	1SS356
D	956	Diode	1SS356
D	957	Diode	1SS356
D	958	Diode	1SS356
D	959	Diode	1SS356
L	951	Coil	LCTA2R2J3225
X	951	Radiator 4.19MHz	CZS2066
S	951	Switch	CZS2067
S	952	Switch	CZS2067
S	953	Switch	CZS2067
S	954	Switch	CZS2067
S	955	Switch	CZS2067
S	956	Switch	CZS2067
S	957	Switch	CZS2067
S	958	Switch	CZS2067
S	959	Switch	CZS2067
S	960	Switch	CZS2067
S	961	Switch	CZS2067
S	962	Switch	CZS2067
S	963	Switch	CZS2067
S	991	Switch	CSG1049
S	992	Switch	CSG1049
S	993	Switch	CSG1049
S	994	Switch	CSG1049
S	995	Switch	CSG1049
S	996	Switch	CSG1049
IL	951	Lamp 14V40mA	CZE3248
IL	952	Lamp 14V40mA	CZE3248
LCD	951	LCD	CAW1358

RESISTORS

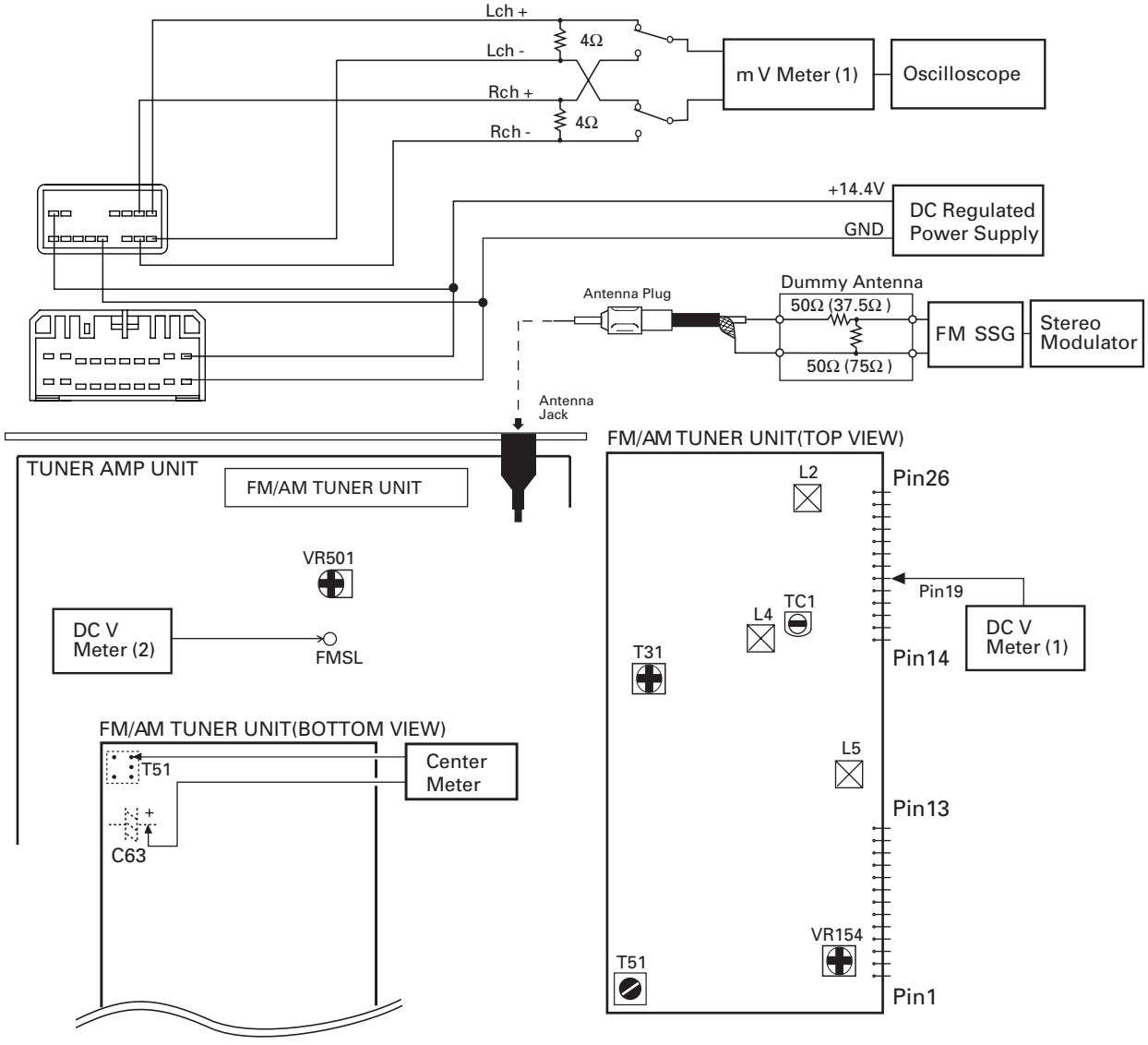
R	951	RS1/8S332J
R	952	RS1/8S222J
R	953	RS1/10S681J
R	954	RS1/10S681J
R	955	RS1/10S681J
R	956	RS1/10S681J
R	957	RS1/10S681J
R	958	RS1/10S681J
R	959	RS1/10S681J
R	960	RS1/10S681J
R	961	RS1/10S473J
R	962	RS1/10S473J
R	963	RS1/10S473J
R	964	RS1/10S473J
R	965	RS1/10S473J
R	966	RS1/10S103J
R	967	RS1/10S473J
R	968	RS1/10S473J
R	969	RS1/10S681J
R	970	RS1/10S472J
R	971	RS1/10S472J
R	972	RS1/10S472J
R	973	RS1/10S472J
R	991	RS1/10S362J
R	992	RS1/10S101J
R	993	RS1/10S271J
R	994	RS1/10S621J

CAPACITORS

C	951	CCSQCH101J50
C	952	CKSQYF224Z25
C	953	CKSQYF104Z25
C	954	CKSQYB473K50
C	955	CKSQYB103K50
C	956	CKSQYF104Z25
C	957	CKSQYF104Z25
C	958	CKSQYF104Z25

6. ADJUSTMENT

● **Connection Diagram**



Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.)
S:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

FM ADJUSTMENT

	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
TUN Volt	1	•••••	•••••	108.0	L5	DC V Meter(1) : 6V
IF	1	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	1	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	1	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
Image	1	129.3 M	60—80	107.9	TC1	mV Meter(1) : Minimum
IFT	1	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	1	98.1 S	39	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

RDS SL ADJUSTMENT

	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
	1	98.1	35	98.1	VR501	DC V Meter(2) : 1.75V+0.05V,-0.35V

7. GENERAL INFORMATION

7.1 PARTS

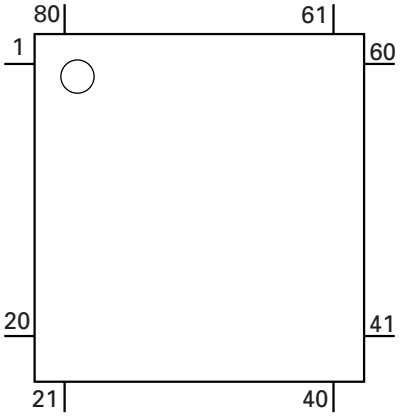
7.1.1 IC

● **Pin Functions (PD4944A)**

Pin No.	Pin Name	I/O	Format	Function and Operation
1	VST	O	C	Strobe pulse output for electronic volume
2	VCK	O	C	Clock output for electronic volume
3	VDT	O	C	Data output for electronic volume
4	AVSS	I		A/D GND
5,6	NC			Not used
7	AVREF1			(Connect to VDD)
8	KYDT	I		Key data input
9	DPDT	O	C	Display data output
10–13	NC			Not used
14	LCDBK	O	C	LCD back light output
15	RDSTEST	I		RDS test input
16	RDSDI	I		Serial data input for RDS IC
17	RDSDO	O	C	Serial data output for RDS IC
18	RDSCK	O	C	Serial clock for RDS IC
19	RDSRST	O	C	Reset output for RDS IC
20	RDSSEL	O	C	Select output for RDS IC
21–29	NC			Not used
30	DMINH	O	C	Mechanism mute cancel output
31	MECPW	O	C	Cassette mechanism power output
32	$\overline{\text{TAPLOD}}$	I		Tape loading sense input
33	VSS			GND
34	$\overline{\text{MCMUTE}}$	I		Cassette mechanism mute input
35	NR	I		Tape running input
36	$\overline{\text{SWVDD}}$	O	N	Grille power supply control output
37,38	NC			Not used
39	$\overline{\text{TUMUTE}}$	O	N	Tuner mute output
40	NC			Not used
41	$\overline{\text{SYSPW}}$	O	C	System power supply control output
42	PDI	I		Data input from PLL IC
43	PCK	O	C	Serial clock output for PLL IC
44	PDO	O	C	Data output for PLL IC
45	PEE	O	C	Beep tone output
46	PEE1	O	C	Beep tone output
47	PCE2	O	C	Chip enable output for PLL IC
48	NC			Not used
49	TELIN	I		Telephone mute input
50	FMSD	I		FM SD input
51	$\overline{\text{ST}}$	I		ST signal input
52	IPPW	O	C	Power supply control output for IP BUS interface IC
53	ASENBO	O	C	Slave power supply control output
54,55	NC			Not used
56	IPDO	O	C	IP driver data output
57	IPDI	I		IP driver data input
58	NC			Not used
59	MUTE	O	C	Mute output
60	$\overline{\text{RESET}}$	I		Reset input
61	RDSRDY	I		Ready input from RDS IC
62	$\overline{\text{BSENS}}$	I		Back up power sense input
63	$\overline{\text{ASENS}}$	I		ACC power sense input
64	NC			Not used
65	$\overline{\text{DSENS}}$	I		Grille detach sense
66	EJECT	I		EJECT signal input
67	$\overline{\text{ADPW}}$	O	C	Control output for analog input reference power

Pin No.	Pin Name	I/O	Format	Function and Operation
68	VDD			Power supply
69	X2			Crystal oscillator connection pin
70	X1			Crystal oscillator connection pin
71	IC			GND
72	XT2			Not used
73	TESTIN	I		Test program mode input
74	AVDD			Positive power supply terminal for analog circuit
75	AVREF0			GND
76	SL	I		SD level input from tuner
77	H/R IN	I		Remote control input
78–80	NC			Not used

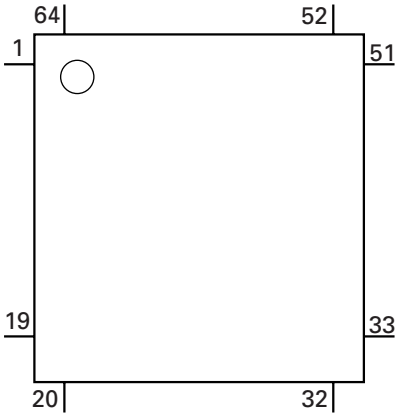
*PD4944A



Format	Meaning
C	C MOS
N	N channel open drain

IC's marked by* are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

*PD6273A



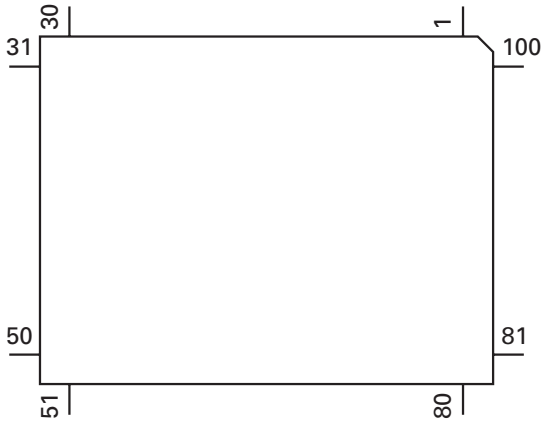
● **Pin Functions (PD6273A)**

Pin No.	Pin Name	I/O	Format	Function and Operation
1	$\overline{\text{PCK}}$	O	N	PLL clock output
2	PDO	O	N	Data output for PLL IC
3	PDI	I		Data input from PLL IC
4	SL	I		SD level input from tuner
5	NL	I		Noise level input
6	MDSENS	I		Modulation detect input
7	SOUND	I		Audio signal input
8	$\overline{\text{RMUTE}}$	O	N	RDS mute output
9–11	NC			Not used
12	AVCC			Analog power supply
13	AVR			5V power supply
14	AVSS	I		A/D GND
15	RDSSEL	O	C	Select output for RDS IC
16	RCK	O	C	FROM clock output
17	RDT	I		FROM data input
18	$\overline{\text{LDET}}$	I		PLL lock sense input
19	$\overline{\text{RDSLK}}$	I		RDS LK signal input
20	$\overline{\text{RDSRST}}$	O	C	Reset output for RDS IC
21	MOD0	I		Operation mode appointment input
22	MOD1	I		Operation mode appointment input
23	XIN	I		Crystal oscillating element connection pin
24	XOUT	O		Crystal oscillating element connection pin
25	VSS			GND
26	$\overline{\text{RESET}}$	I		Reset input
27	$\overline{\text{L}}$/S	O	C	Sensitivity of noise level select
28	$\overline{\text{CURRQ}}$	O		Tuner voltage FIX output
29	RDSRDY	O		Ready output from RDS IC
30	RECIVE	O	C	During RDS data reception output
31	CORR	O	C	Error output
32	ERROR	O	C	Disapprove of error correction output
33–38	NC			Not used
39	SK	I		SK signal input
40-49	NC			Not used
50	GND			GND
51	TEST	I		Test terminal
52	RDSCK	O	C	Serial clock for RDS IC
53	RDSDO0	O	C	Communication data output
54	IRDSDI	I		Communication data input
55	RDS57K	I		57kHzBP-OUT sense input
56	GD	O	C	Gate drive control output
57	VCC			Power supply
58	SD	I		SD input
59	PCE	O		Chip enable output
60–64	NC			Not used

● **Pin Functions (PD4762A)**

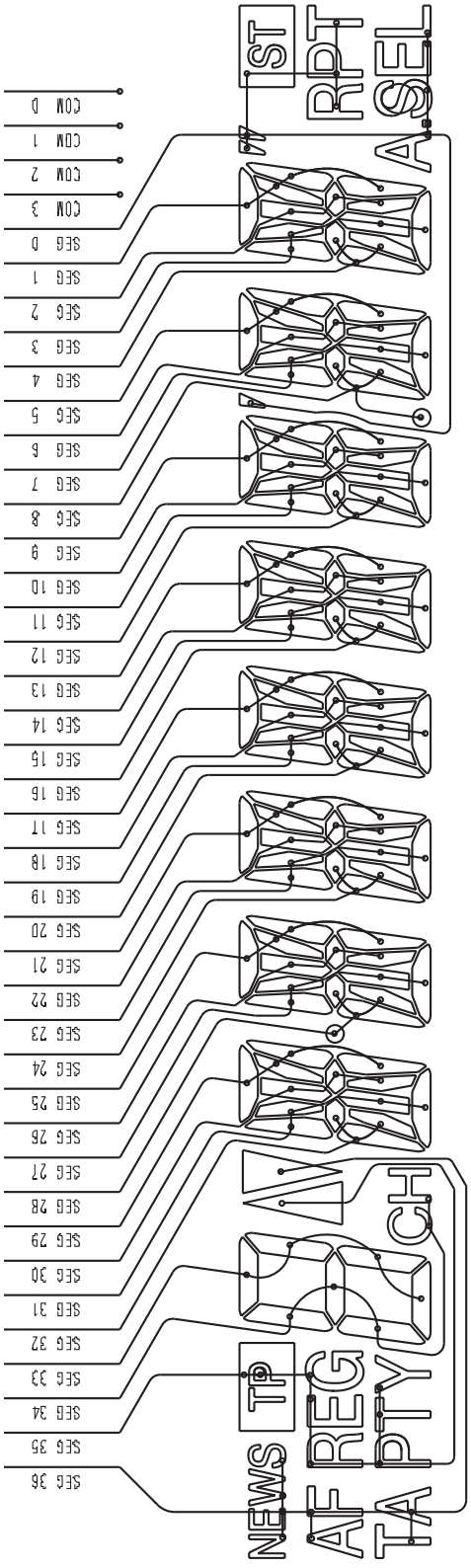
Pin No.	Pin Name	I/O	Function and Operation
1,2	NC		Not used
3	DPDT	I	Display data input
4	KYDT	O	Remote control data output
5	NC		Not used
6	GND		GND
7	X2		Crystal oscillator connection pin
8	X1		Crystal oscillator connection pin
9	VDD		Power supply
10	TESTIN	I	Test program mode input
11	NC		Not used
12	RESET	I	Reset input
13	RENIN	I	Remote control pulse input
14–18	NC		Not used
19-22	KDT3-0	I	Key data input
23–26	KST6-3	O	Key strobe output
27	AVSS	I	A/D GND
28–30	KST2-0	O	Key strobe output
31	VOLUP	I	Volume up input from encoder
32	VOLDN	I	Volume down input form encoder
33–35	NC		Not used
36	AVDD		Positive power supply terminal for analog circuit
37	AVREF		A/D converter reference voltage
38,39	NC		Not used
40	VSS		GND
41–50	NC		Not used
51-54	COM0-3	O	LCD common output
55	BIAS		LCD power supply
56–58	VLC0-2		LCD power supply
59	VSS		GND
60	NC		Not used
61–97	S37-1	O	LCD segment output
98–100	NC		Not used

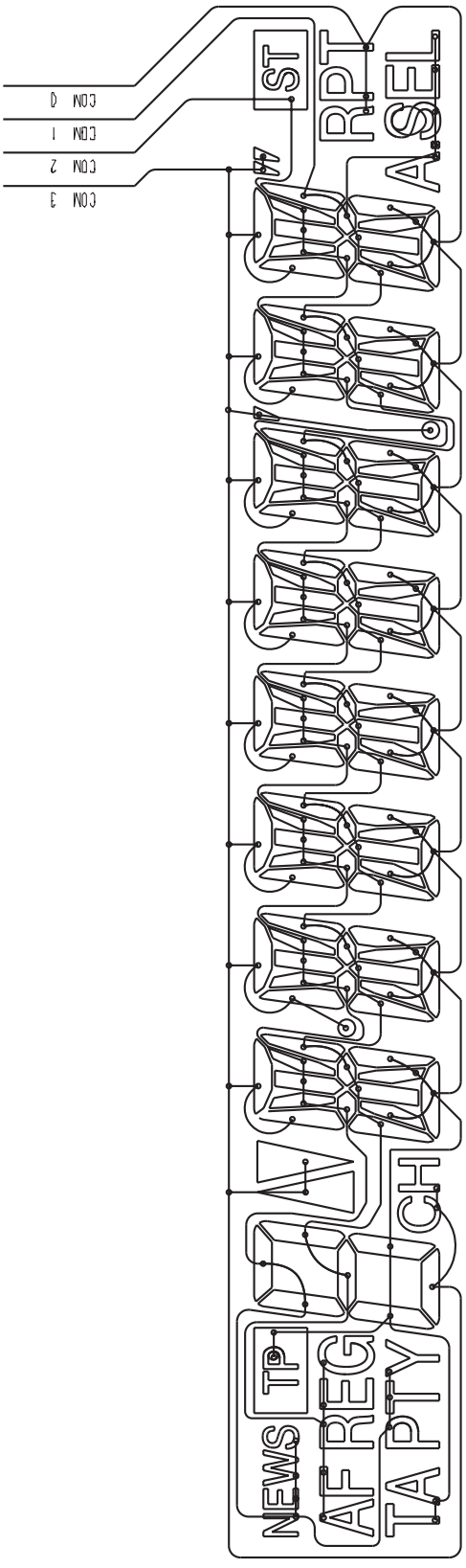
*PD4762A



7.1.2 DISPLAY

● **CAW1358**

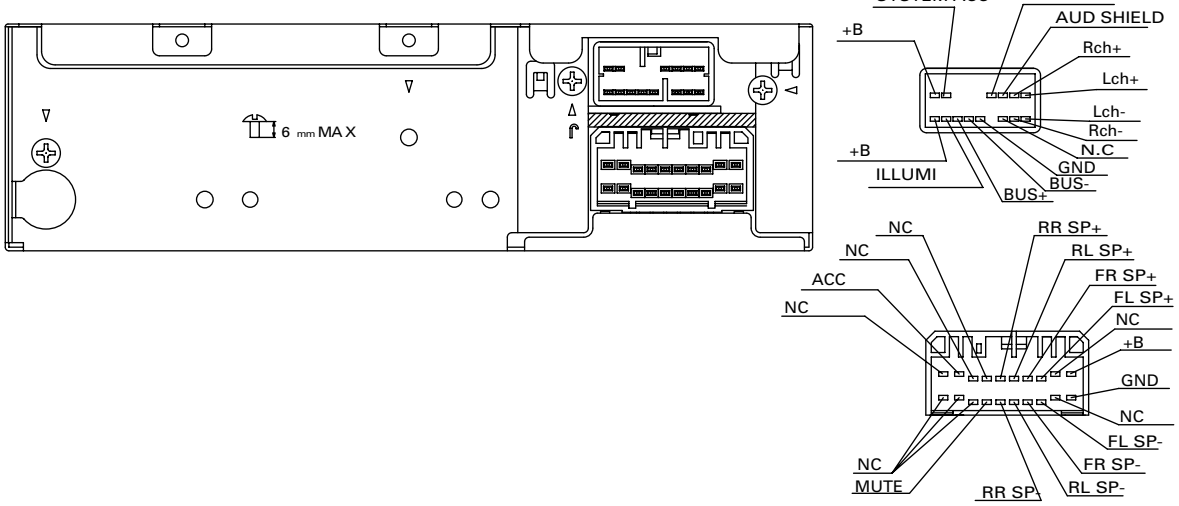


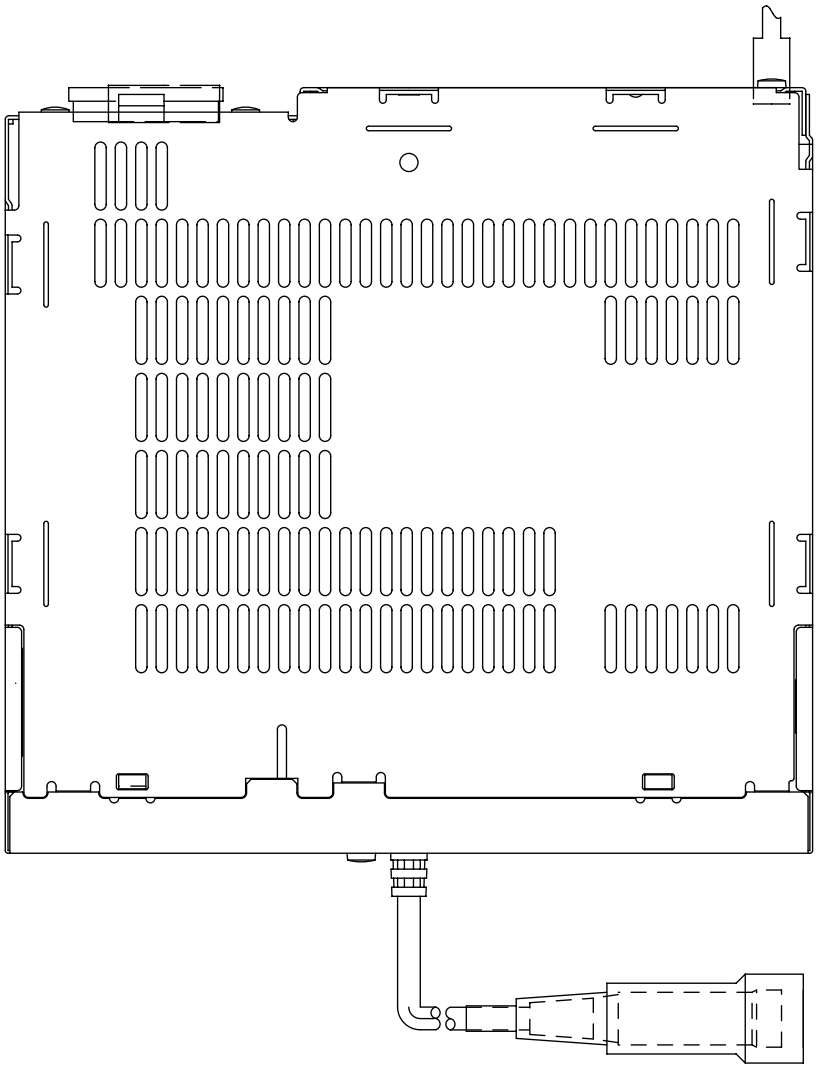


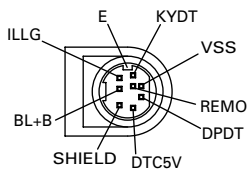
7.2 DIAGNOSIS

7.2.1 CONNECTOR FUNCTION DESCRIPTION

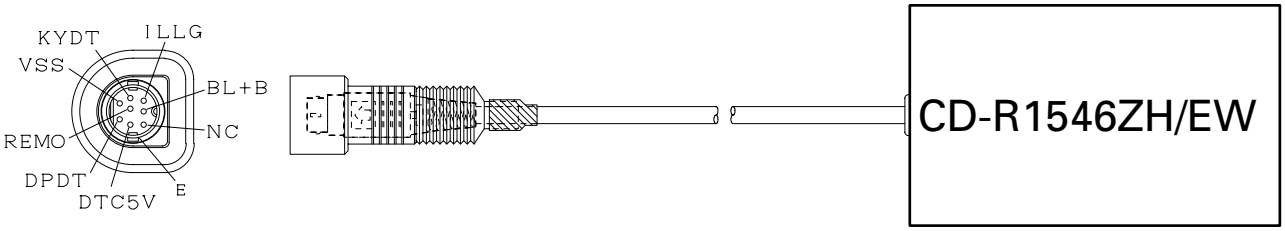
● **SCU-M2096ZH**



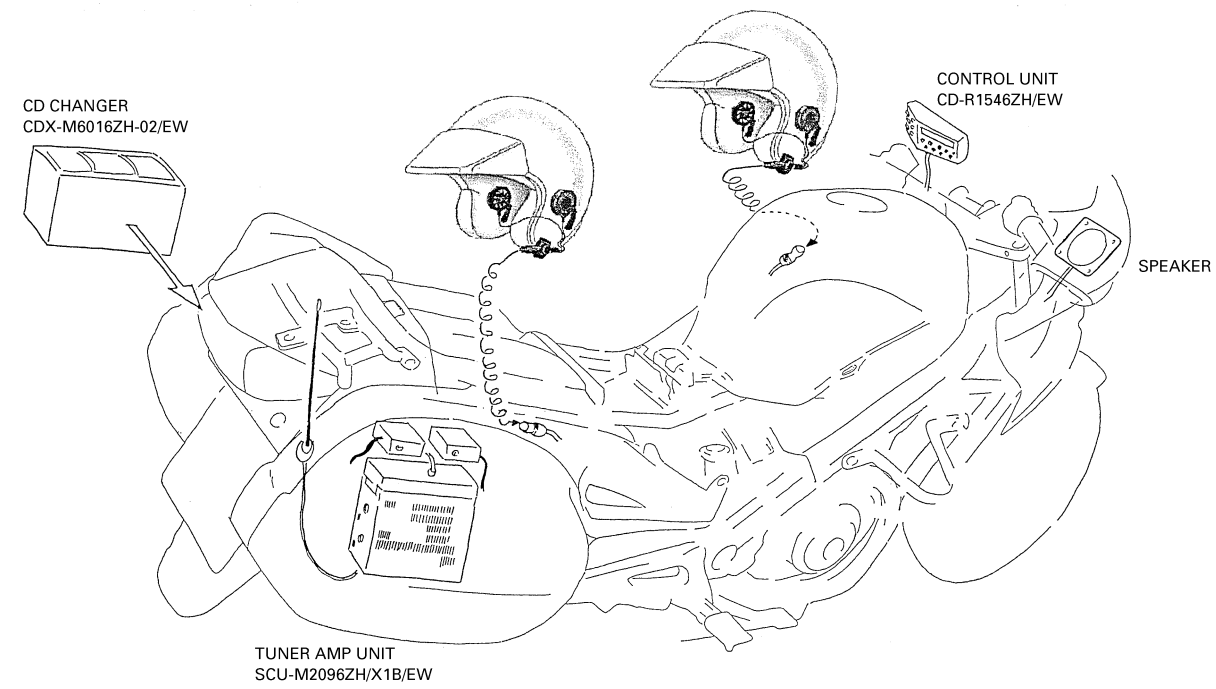




● **CD-R1546ZH**



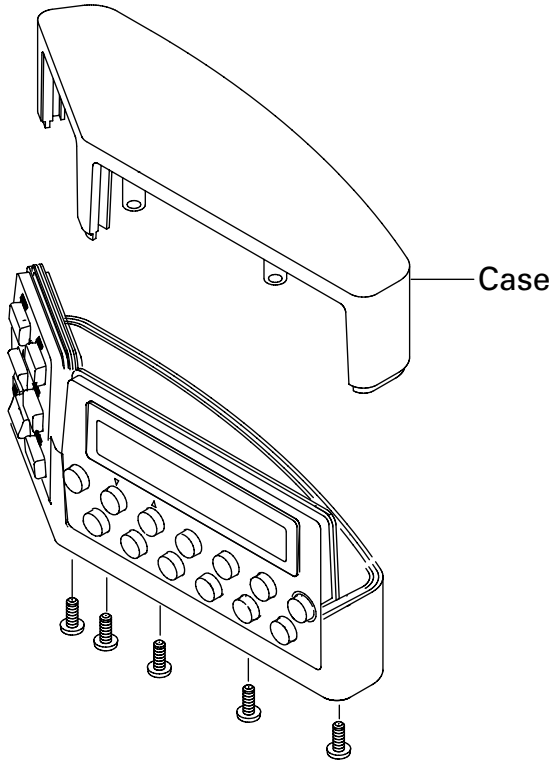
7.2.2 LOCATIONS



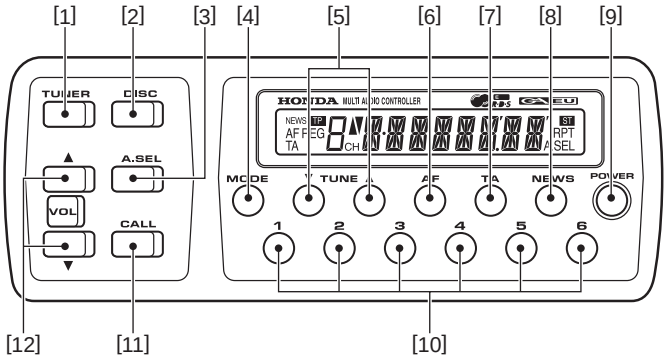
7.2.3 DISASSEMBLY

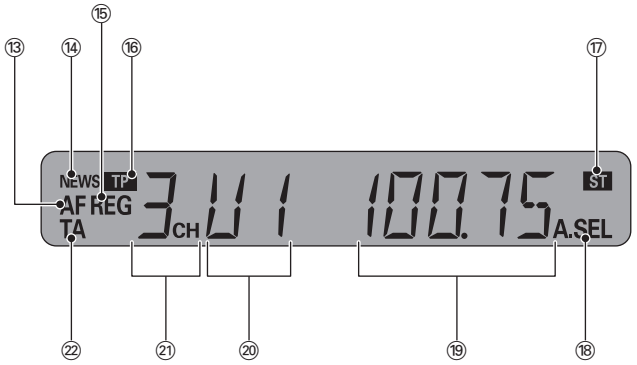
● Removing the Case(CD-R1546ZH)

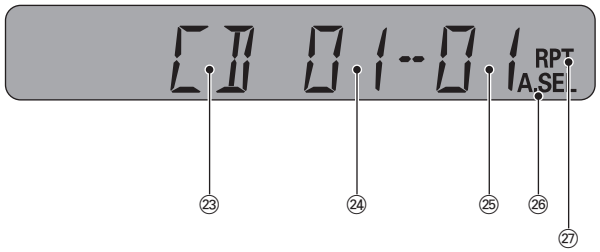
1. Remove the five screws.
2. Remove the Case.



8. OPERATIONS AND SPECIFICATIONS







BUTTON ILLUSTRATIONS

The buttons used are shown for each item.

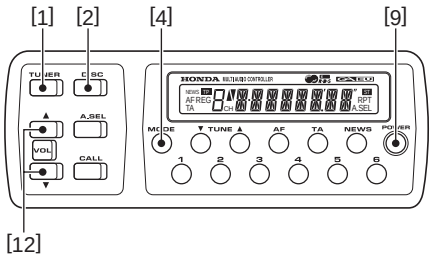
There are 2 ways of pressing a button, as indicated by the following illustrations.

→ Quick press and release immediately.

0.5 → Press and hold for at least 0.5 seconds.

- *The two numbers in the picture: 0.5 and 2, mean to press and hold those buttons for at least 0.5 or 2 seconds.*

BASIC OPERATIONS



⚠ WARNING

- Keep both hands on the handlebars while riding.

SWITCHING POWER ON

Radio ..... [1] [9]

When button [1] is pressed, the radio power is turned on. To turn off, press button [9].

CD ..... [2] [9]

- The proper Honda CD changer (sold separately) is required to play CDs.

Playing of a CD is started by pressing button [2], and stopped by pressing button [9].

SWITCHING POWER ON ..... [9]

If button [9] is pressed when the power is off, the power supply of the source before power was turned off is turned on.

ADJUSTING VOLUME ..... [12]

The volume is increased by pressing the (▲) side of button [12], and decreased by pressing the (▼) side. (Display shows "VOL 00"~"VOL 30".)

⚠ WARNING

- Do not turn up the volume level so loud that you cannot hear emergency vehicles or traffic.

⚠ CAUTION

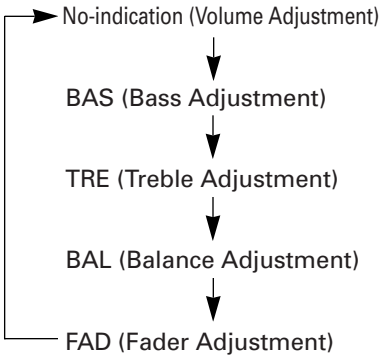
- Listening to the sound through headset for a long period of time with the maximum volume level may cause hearing damage.

Advice

- *Use this audio system at a volume level that does not annoy other people.*

ADJUSTING AUDIO ..... [4] [12]

Press button [4] to switch to the mode in which you want to make the adjustment, and make the adjustment using button [12]. The adjustment mode changes each time button [4] is pressed, as shown below.



Advice

- *When bass, treble, balance and fader adjustments are made, a beep will be heard at the center position. The adjustment mode is canceled approximately 5 seconds after an adjustment is made.*

Adjusting Bass

Select the bass adjustment mode. Bass intensity is gradually increased by pressing the (▲) side of button [12], and decreased by pressing the (▼) side. (Display shows "BAS –6"~ "BAS 6".)

Adjusting Treble

Select the treble adjustment mode. Treble intensity is gradually increased by pressing the (▲) side of button [12], and decreased by pressing the (▼) side. (Display shows "TRE –6"~ "TRE 6".)

Adjusting Balance

Select the balance adjustment mode. The balance is gradually changed to left speaker sound only, by pressing the (▼) side of button [12], and to right speaker sound only, by pressing the (▲) side. (Display shows "BAL L9"~ "BAL R9".)

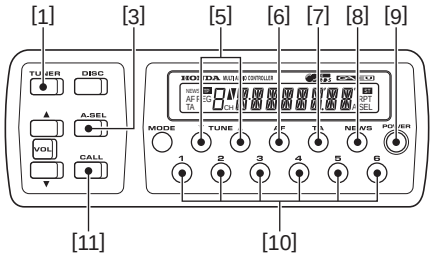
Adjusting the Fader

This function lets you adjust the balance between rider speaker/headset and passenger headset volume levels. Select the fader adjustment mode. If you press the (▲) side of button [12] the balance gradually changes until sound is output from the rider speaker/headset only. If you press the (▼) side of button [12] the balance gradually changes until sound is output from the passenger headset only. (Display shows "FAD F9"~ "FAD R9".)

Advice

- *When not using the passenger headset, the setting should be "FAD F9"~"FAD 0".*

USING THE RADIO



⚠ WARNING

- Keep both hands on the handlebars while riding.

LISTENING TO THE RADIO ..... [1] [9]

When button [1] is pressed, the radio power is turned on and the Band ⑳ and Frequency ⑲ are displayed. To turn the radio off, press button [9].

CHANGING THE BAND ..... [1]

The band is selected by pressing button [1] repeatedly. Each time the button is pressed, the band changes in the following order.

U1 (FM1) → U2(FM2) → UT(FMT) → M/L(MW/LW)

Advice

- *During MW/LW reception, engine noise may drown out the broadcast so that you cannot hear it.*

AUTOMATIC TUNING ..... [5]
The radio automatically tunes in to a station with a strong signal above a certain level. Press (▼) or (▲) button [5].

MANUAL TUNING ..... [7] [5]
This is useful for tuning in to a station with a very weak signal that cannot be picked up with automatic tuning.
1. Continue pressing button [7] for 2 or more seconds. (Until you hear a beep.)
2. Select a station by pressing the (▼) or (▲) side of button [5].
   If you do not press a button for more than 10 seconds, you will hear a beep and automatically be returned to AUTOMATIC TUNING mode.

Advice
- *When returning to automatic tuning, continue pressing button [7] for 2 seconds or more once again. (Until you hear a beep.)*

MEMORIZING STATIONS (PRESET MEMORY)
A selected station is memorized in one of buttons [10].

Memorizing a Station ..... [10]
Choose one of buttons [10], and hold it down until you hear a beep (about 2 seconds). The preset number ㉑ will light, and the station will be memorized in the chosen button.

Advice
- *The radio cannot be heard while the button is being held down.*

Recalling a Station (Direct Recall) ..... [10]
When the button [10] is pressed again after a station has been memorized, the radio will be tuned to the station stored in that button. The number of the pressed button lights in ㉑ on the display.

Recalling a Station (Sequential Recall) ..... [11]
Each time you press button [11], stations stored in the buttons [10] are recalled in order.

AUTO SELECT ..... [1] [3]
Broadcasts of high output stations can be memorized in button [10] of UT (FMT) band according to the following procedure.
1. Press button [1] to switch over band to U1, U2 or UT.
2. Press button [3] to start automatic memorization of high output stations. Through automatic memorization operation,"A.SEL" ⑱ is displayed. ("A–SEL" flashes ⑲.)

Advice
- *There is no audio output in automatic memorizing operation.*
- *When automatic memorization is started with U1/U2 band, the same is performed for UT band that is automatically switched on to follow U1 and U2 bands.*
- *Automatic memorization cannot be activated for MW and LW bands.*

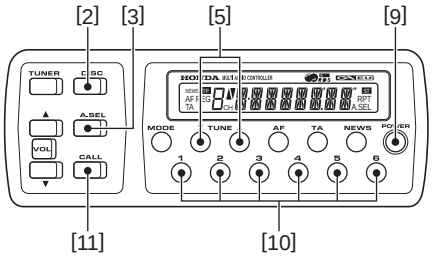
3. With completion of general automatic memorization, "A.SEL" ⑱ goes out and the radio receives broadcast of the highest output station.

OTHER FUNCTIONS

Stereo Indicator
When the radio is tuned to an FM stereo station, "ST" ⑰ will be displayed.

PLAYING CD

- The proper Honda CD changer (sold separately) is required to play CDs.



⚠ WARNING
- Keep both hands on the handlebars while riding.

LISTENING TO A CD ..... [2] [9]
When button [2] is pressed, CD playback starts and the disc number ㉔, track number ㉕ and "CD" ㉓ appear on the display. Playback is stopped by pressing button [9].

Advice
- *If there is no magazine in the CD changer, "EJECT" will appear on the display.*

SELECTING A DISC ..... [10]
Press the button in [10] with the same number as the number of the disc you want to play.

Advice
- *There is a delay of several seconds before the music starts after pressing the button, due to the disc changeover operation.*

TRACK SELECTION (TRACK NUMBER SEARCH) ..... [5] [11]
Press the (▼) or (▲) side of button [5] for a moment (less than 0.5 seconds), and press the button repeatedly until you reach the track you want to play. Each time you press button [11], tracks change in order.

FAST FORWARD AND REVERSE ..... [5]
Press the (▼) or (▲) side of button [5] until you hear a beep (0.5 seconds or more).

Advice
- *Playback can be heard during fast-forwarding or reversing.*
- *Fast-forwarding or reversing is performed only as long as the button is pressed.*

SPECIFICATIONS

GENERAL

Power source ..... 13.2 V DC (10.8 — 15.2 V allowable)
Grounding system ..... Negative type
Current consumption ..... 3 A
Dimensions
  Controller ..... 154 (W) × 60 (H) × 48 (D) mm
  Radio unit ..... 178 (W) × 50 (H) × 169 (D) mm
Weight
  Controller ..... 0.3 kg
  Radio unit ..... 0.9 kg

AMPLIFIER

Maximum power output ..... 20 W × 2
Continuous power output ..... 14 W × 2
(DIN453241, +B = 14.4 V)
Load impedance ..... 4 Ω (4 — 8 Ω allowable)
Tone controls (bass) ..... ±12 dB (100 Hz)
(treble) ..... ±12 dB (10 kHz)

(Speaker ..... 4 Ω (20 W × 2)
Headset ..... 16 Ω (0.5 W × 4))

FM TUNER

Frequency range ..... 87.5 — 108 MHz
Usable sensitivity ..... 11 dBf (mono. S/N: 30 dB)
50 dB quieting sensitivity ..... 16 dBf (mono)
S/N ratio ..... 70 dB (IEC-A network)
Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)
Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)

MW TUNER

Frequency range ..... 531 — 1,602 kHz
Usable sensitivity ..... 25 dBμV (S/N: 20dB)
Selectivity ..... 50 dB (±9 kHz)

LW TUNER

Frequency range ..... 153 — 281 kHz
Usable sensitivity ..... 30 dBμV (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)

Note:
Specifications and the design are subject to possible modification without notice due to improvements.